

## Bibliography of ACE HPLC Published References

| AP Code | Title                                                                                                                                                                                                               | Authors                                                                                               | Journal                                                         | Year | Country | Phase  | Dimensions     |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------|---------|--------|----------------|
| AP1000  | A comparison of GC-ICP-MS and HPLC-ICP-MS for the analysis of organotin compounds                                                                                                                                   | R. Wahlen                                                                                             | LC-GC Europe, 15 (10), 670-677 (2002)                           | 2002 | UK      | C18    | 3um, 150 x 2.1 |
| AP1001  | The gastroprokinetic and antiemetic drug metoclopramide is a substrate and inhibitor of cytochrome P450 2D6                                                                                                         | Z. Desta, G.M. Wu, A.M. Morocho, D.A. Flockhart                                                       | Drug Metabolism and Disposition, 30 (3), 336-343 (2002)         | 2002 | US      | CN     | 5um, 250 x 4.6 |
| AP1002  | A PCR-based test to assess the potential for microcystin occurrence in channel catfish production ponds                                                                                                             | D. Nonneman, P.V. Zimba                                                                               | J. Phycol., 38, 230-233 (2002)                                  | 2002 | US      | C18    |                |
| AP1003  | Effect of soil moisture and sample depth on pesticide photolysis                                                                                                                                                    | M.P. Frank, P. Graebing, J.S. Chib                                                                    | J. Agric. Food Chem., 50, 2607-2614 (2002)                      | 2002 | US      | C18    | 5um, 250 x 4.6 |
| AP1004  | Comparison of different liquid chromatography conditions for the separation and analysis of organotin compounds in mussel and oyster tissue by liquid chromatography - inductively coupled plasma mass spectrometry | R. Wahlen, T. Catterick                                                                               | J. Chrom. B, 783, 221-229 (2003)                                | 2003 | UK      | C18    | 3um, 150 x 2.1 |
| AP1005  | The in vivo susceptibility of <i>Leishmania donovani</i> to sodium stibogluconate is drug specific and can be reversed by inhibiting glutathione biosynthesis                                                       | K.C. Carter, S. Sundar, C. Spickett, O.C. Pereira, A.B. Mullen                                        | Antimicrobial agents and chemotherapy, 47 (5), 1529-1535 (2003) | 2003 | UK      | C18    |                |
| AP1006  | A non-peptide radioiodinated high affinity melanocortin-4 receptor ligand                                                                                                                                           | F. Mutulis, S. Yahorava, I. Mutule, A. Yahorau, S. Kopanchuk, S. Velksina, A.                         | J. Label. Comp. Radiopharm. 46, 1007-1017 (2003)                | 2003 | Sweden  | Phenyl |                |
| AP1007  | Solid phase synthesis of aminopropenones and aminopropenoates: Efficient and versatile synthons for combinatorial synthesis of heterocycles                                                                         | J. Westman, R. Lundin                                                                                 | Synthesis, 7, 1025-1030 (2003)                                  | 2003 | Sweden  | AQ     |                |
| AP1008  | Isocratic reversed-phase liquid chromatographic method for the simultaneous determination of (S)-methoprene, MGK264, piperonyl butoxide, sumithrin and permethrin in pesticide formulation                          | I-H. Wang, R. Moorma, J. Burleson                                                                     | J. Chrom. A, 983, 145-152 (2003)                                | 2003 | US      | C8     | 3um, 150 x 4.6 |
| AP1009  | Determination of dextropropoxyphene and nordextropropoxyphene in urine by liquid chromatography - electrospray ionization mass spectrometry                                                                         | H. Lakso, A. Norstrom                                                                                 | J. Chrom. B. 794, 57-65 (2003)                                  | 2003 | Sweden  | AQ     | 3um, 150 x 2.1 |
| AP1010  | Quantitative determination of carisoprodol and its metabolites in equine urine and serum by liquid chromatography-tandem mass spectrometry                                                                          | W. Skinner, D. McKemie, S. Stanley                                                                    | Chromatographia Suppl. 59, S61-S67 (2004)                       | 2004 | US      | C18    | 3um, 100 x 2.1 |
| AP1011  | Structural identification and characterisation of impurities in moxifloxacin                                                                                                                                        | Y.R. Kumar, V.V.N.K.V.P. Raju, R.R. Kumar, S. Eswaraiiah, K. Mukkanti, M.V. Suryananayana, M.S. Reddy | J. Pharm. and Biomed. Analysis, 34, 1125-1129 (2004)            | 2004 | India   | C18    | 5um, 250 x 4.0 |
| AP1012  | Differences in the pharmacokinetics of peroxisome proliferators-activated receptor agonists in genetically obese Zucker and Sprague-Dawley rats: Implications of decreased glucuronidation in obese Zucker rats     | M. Kim, S. Wang, Z. Shen, C.J. Kochansky, J.R. Stauss, R.B. Franklin, S.H. Vincent                    | Drug Metabolism and Disposition, 32 (9), 909-914 (2004)         | 2004 | US      | Phenyl | 5um, 100 x 2.1 |
| AP1013  | In vitro evaluation of the potential role of sulfite radical in morphine-associated histamine release                                                                                                               | E.M. Gordon, C. Myers, J. Blumer                                                                      | BMC Pharmacology, 4 (21) (2004)                                 | 2004 | US      | C18    | 5um, 150 x 4.6 |
| AP1014  | Poor correlation between stated and found concentrations of diphenylmethane-4,4'-diisocyanate (4,4'-MDI) in petrolatum patch-test preparations                                                                      | M. Frick, E. Zimerson, D. Karlsson, A. Marand, G. Skarping, M. Isaksson, M. Bruze                     | Contact Dermatitis, 51, 73-78 (2004)                            | 2004 | Sweden  | C18    | 3um, 50 x 1.0  |
| AP1015  | Stereoselective analysis of carvedilol in human plasma using HPLC/MS/MS after chiral derivatization                                                                                                                 | E. Yang, S. Wang, J. Kratz, M.J. Cyronak                                                              | J. Pharm. and Biomed. Anal., 36, 609-615 (2004)                 | 2004 | US      | C18    | 3um, 50 x 2.1  |
| AP1016  | Solid-phase extraction-electrospray ionization mass spectrometry for the quantification of folate in human plasma or serum                                                                                          | B.C. Nelson, C.M. Pfeiffer, S.A. Margolis, C.P. Nelson                                                | Anal. Biochem., 325, 41-51 (2004)                               | 2004 | US      | C18    | 5um, 150 x 4.6 |
| AP1017  | Photochemical decomposition of 15 polybrominated diphenyl ether congeners in methanol/water                                                                                                                         | J. Eriksson, N. Green, G. Marsh, A. Bergman                                                           | Environ. Sci. Technol., 38, 3119-3125 (2004)                    | 2004 | Sweden  | C18    | 5um, 250 x 4.6 |
| AP1018  | Comparison of prediction methods for in vivo clearance of (S,S)-3-[3-(methylsulfonyl)phenyl]-1-propylpiperidine hydrochloride, a dopamine D2 receptor antagonist, in humans                                         | S. Yamazaki, L.N. Toth, M.L. Black, J.N. Duncan                                                       | Drug Metabolism and Disposition, 32 (4), 398-404 (2004)         | 2004 | US      | Phenyl | 5um, 50 x 2.1  |

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|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------|-------------|--------|-----------------|
| AP1019 | Determination of technical grade isocyanates used in the production of polyurethane plastics                                                                                                                  | A. Marand, J. Dahlin, D. Karlsson, G. Skarpong, M. Dalene                                                                                 | J. Environ. Monit. 6, 606-614 (2004)                       | 2004 | Sweden      | C18    | 3um, 50 x 1.0   |
| AP1020 | Aqueous photolysis of niclosamide                                                                                                                                                                             | P.W. Graebing, J.S. Chib, T.D. Hubert, W.H. Gingerich                                                                                     | J. Agric. Food Chem., 52, 870-878 (2004)                   | 2004 | US          | C18    | 5um, 250 x 4.6  |
| AP1021 | Optimization and characterization of a sphingomyelin/cholesterol liposome formulation of vinorelbine with promising antitumour activity                                                                       | S.C. Semple, R. Leone, J. Wang, E.C. Leng, S.K. Klimuk, M.L. Eisenhardt, Z. Yuan, K. Edwards, N. Maurer, M.J. Hope, P.R. Culis, Q. Ahkong | J. Pharm. Sci., 94 (5), 1024-1038 (2005)                   | 2005 | Canada      | C8     | 3um, 100 x 4.6  |
| AP1022 | The chemical and pharmaceutical equivalence of sulphadoxine/pyrimethamine tablets sold on the Tanzanian market                                                                                                | Y. Hebron, J.N.A. Tettey, M. Pournamdari, D.G. Watson                                                                                     | J. Clin. Pharm. and Ther. 30, 575-581 (2005)               | 2005 | UK          | C18    | 5um, 150 x 4.6  |
| AP1023 | Hydrolysis of environmental contaminants as an experimental tool for indication of their persistence                                                                                                          | S. Rahm, N. Green, J. Norrgran, A. Bergman                                                                                                | Environ. Sci. Technol., 39, 3128-3133 (2005)               | 2005 | Sweden      | C18    | 5um, 250 x 4.6  |
| AP1024 | Endothelial nitric oxide synthase dysfunction in diabetic mice: importance of tetrahydrobiopterin in eNOS dimerisation                                                                                        | S. Cai, J. Khoo, S. Mussa, N.J. Alp, K.M. Channon                                                                                         | Diabetologia, 48, 1933-1940 (2005)                         | 2005 | UK          | C18    |                 |
| AP1025 | Compatibility and stability of dexamethasone sodium phosphate and ketamine hydrochloride subcutaneous infusions in polypropylene syringes                                                                     | D.G. Watson, M. Lin, A. Morton, C. Cable, D.A. McArthur                                                                                   | J. Pain and Symptom Management 30 (1), 80-86 (2005)        | 2005 | UK          | C18    | 5um, 150 x 4.6  |
| AP1026 | Determination of bisphenol A in canned foods by immunoaffinity chromatography, HPLC and fluorescence detection                                                                                                | R. Braunrath, D. Podlipna, S. Padlesak, M. Cichna-Markl                                                                                   | J. Agric. Food Chem., 53, 8911-8917 (2005)                 | 2005 | Austria     | C18    | 3um, 150 x 3.0  |
| AP1027 | Combination reactions of superoxide with 8-oxo-7,8-dihydroguanine radicals in DNA                                                                                                                             | R. Misiaszek, Y. Uvaydov, C. Crean, N.E. Geacintov, V.                                                                                    | J. Biol. Chem., 280 (8), 6293-6300 (2005)                  | 2005 | US          | C18    | 5um, 250 x 4.6  |
| AP1028 | Synthesis and evaluation of hydrolysable hyaluronan-tethered bupivacaine delivery systems                                                                                                                     | D.A. Gianolio, M. Philbrook, L.Z. Avila, H. MacGregor, S.X. Duan, R. Bernasconi, M. Slavsky, S.                                           | Bioconjugate Chem., 16, 1512-1518 (2005)                   | 2005 | US          | C8     | 5um, 250 x 4.6  |
| AP1029 | Simultaneous determination of chlorpheniramine maleate and dexamethasone in a tablet dosage form by liquid chromatography                                                                                     | M.A. Moyano, M.A. Rosasco, M.T. Pizzorno, A.I. Segall                                                                                     | Journal of AOAC International, 88 (6), 1677-1683 (2005)    | 2005 | Argentina   | C18    | 5um, 250 x 4.6  |
| AP1030 | Diurnal variation of cytokinin, auxin and abscisic acid levels in tobacco leaves                                                                                                                              | M. Novakova, V. Motyka, P.I. Dobrev, J. Malbeck, A. Gaudinova, R. Vankova                                                                 | Journal of Experimental Botany, 56 (421), 2877-2883 (2005) | 2005 | Czech       | CN     | 3um, 150 x 4.6  |
| AP1031 | Aryl ketones from <i>Acronychia pedunculata</i> with cyclooxygenase - 2 inhibitory effects                                                                                                                    | W. Pathmasiri, H.R. El-seedi, X. Han, J.C. Janson, U. Huss, L. Bohlin                                                                     | Chemistry and Biodiversity, 2, 463-469 (2005)              | 2005 | Sweden      | C18    | 5um, 250 x 4.6  |
| AP1032 | Lycopene supplementation attenuated xanthine oxidase and myeloperoxidase activities in skeletal muscle tissues of rats after exhaustive exercise                                                              | C. Liu, C. Huang, W. Lin, C. Hsieh, S. Huang, S. Lin, S. Yang                                                                             | Brit. J. Nutrition, 94, 595-601 (2005)                     | 2005 | Taiwan      | C18    | 5um, 250 x 4.6  |
| AP1033 | Glaciapyrroles A, B and C, pyrrolsesquiterpenes from a <i>Streptomyces</i> sp. Isolated from an Alaskan marine sediment                                                                                       | V.R. Macherla, J. Liu, C. Bellows, S. Teisan, B. Nicholson,                                                                               | J. Nat. Prod., 68, 780-783 (2005)                          | 2005 | US          | C18-HL | 5um, 250 x 10.0 |
| AP1034 | The dimeric form of flavocytochrome P450 BM3 is catalytically functional as a fatty acid hydroxylase                                                                                                          | R. Neeli, H.M. Girvan, A. Lawrence, M.J. Warren, D. Leys,                                                                                 | FEBS Letters, 579, 5582-5588 (2005)                        | 2005 | US          | AQ     | 5um, 250 x 4.6  |
| AP1035 | Determination of vitamin B5 in human urine by high performance liquid chromatography coupled with mass spectrometry                                                                                           | O. Heudi, P. Fontannaz                                                                                                                    | J. Sep. Sci., 28, 669-672 (2005)                           | 2005 | Switzerland | AQ     | 3um, 150 x 3.0  |
| AP1036 | Model electrochemical mass spectrometric studies of the cytochrome P450-catalyzed oxidations of cyclic tertiary amines                                                                                        | U. Jurva, P. Bissel, E.M. Isin, K. Igarashi, S. Kuttub, N.                                                                                | J. Am. Chem. Soc. 127, 12368-12377 (2005)                  | 2005 | US          | C18    | 3um, 75 x 2.1   |
| AP1037 | Stoichiometric relationships between endothelial tetrahydrobiopterin, endothelial NO synthase (eNOS) activity and eNOS coupling in vivo                                                                       | J.K. Bendall, N.J. Alp, N. Warrick, S. Cai, D. Adlam, K. Bennett, M. Vukobratovic                                                         | Circulation Research, 864-871 (2005)                       | 2005 | UK          | C18    |                 |
| AP1038 | Detection, quantification and confirmation of anabolic steroids in equine plasma by liquid chromatography and tandem mass spectrometry                                                                        | F. Guan, C.E. Uboh, L.R. Soma, Y. Luo, J. Rudy, T. Tobin                                                                                  | J. Chrom. B, 829, 56-68 (2005)                             | 2005 | US          | C8     | 5um, 50 x 2.1   |
| AP1039 | Tissue distribution, effects of cooking and parameters affecting the extraction of azaspiracids from mussels, <i>Mytilus edulis</i> , prior to analysis by liquid chromatography coupled to mass spectrometry | P. Hess, L. Nguyen, J. Aasen, M. Keogh, J. Kilcoyne, P. McCarron, T. Aune                                                                 | Toxicol., 46, 62-71 (2005)                                 | 2005 | Ireland     | C8     | 3um, 30 x 2.1   |
| AP1040 | Structure-property relationships in poly(ethylene glycol)-protein hydrogel systems made from various proteins                                                                                                 | K.I. Shingel, M. Faure                                                                                                                    | Biomacromolecules, 6, 1635-1641 (2005)                     | 2005 | Canada      | C4     | 5um, 150 x 3.9  |
| AP1041 | Effect of aluminium exposure on pteridine metabolism                                                                                                                                                          | T. Baydar, A.B. Engin, A. Aydin, G. Sahin                                                                                                 | Biological Trace Element Research, 104, 1-12 (2005)        | 2005 | Turkey      | C18    | 5um, 250 x 4.6  |

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|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------|-------------|------------|----------------|
| AP1042 | Preclinical pharmacokinetics and metabolism of a potent non-nucleoside inhibitor of the hepatitis C virus NS5B polymerase                                                                       | C. Giuliano, F. Fiore, A. Di Marco, J. Padron Velazquez, A. Bishop, F. Bonelli, O. Gonzalez-Paz, I. Marcucci, S. Harper, F. Narjes, B. Pacini, E. Monteagudo, G. Migliaccio, M. | Xenobiotica, 35 (10/11), 1035-1054 (2005)                       | 2005 | Italy       | C18        | 5um, 150 x 2.1 |
| AP1043 | Purification and determination of plant hormones auxin and abscisic acid using solid phase extraction and two-dimensional high performance liquid chromatography                                | P.I. Dobrev, L. Havlicek, M. Vagner, J. Malbeck, M. Kaminek                                                                                                                     | J. Chrom. A., 1075, 159-166 (2005)                              | 2005 | Czech       | CN         | 3um, 150 x 4.6 |
| AP1044 | Reversed-phase liquid chromatography and argentation chromatography of the minor capsaicinoids                                                                                                  | R.Q. Thompson, K.W. Phinney, L.C. Sander, M.J. Welch                                                                                                                            | Anal. Bioanal. Chem., 381, 1432-1440 (2005)                     | 2005 | US          | Phenyl     | 5um, 250 x 4.6 |
| AP1045 | Application of principal components analysis to <sup>1</sup> H-NMR data obtained from propolis samples of different geographical origin                                                         | D.G. Watson, E. Peyfoon, L. Zheng, D. Lu, V. Seidel, B. Johnston, J.A. Parkinson, J.                                                                                            | Phytochemical Analysis 17, 323-331 (2006)                       | 2006 | UK          | C18        | 5um, 150 x 4.6 |
| AP1046 | Selective serotonin reuptake inhibitors in sewage influents and effluents from Tromsø, Norway                                                                                                   | T. Vasskog, U. Berger, P. Samuelsen, R. Kallenborn, E.                                                                                                                          | J. Chrom. A., 1115, 187-196 (2006)                              | 2006 | Norway      | C18        | 3um, 150 x 2.1 |
| AP1047 | Heterozygous mutation in <i>CYP2C19</i> significantly increases the concentration/dose ratio of racemic citalopram and escitalopram (S-citalopram)                                              | I. Rudberg, M. Hendset, L.H. Uthus, E. Molden, H. Refsum                                                                                                                        | Ther. Drug Monit., 28 (1), 102-105 (2006)                       | 2006 | Norway      | AQ         |                |
| AP1048 | Characterization of putative ligands for a fish gonadal androgen receptor in a pulp mill effluent                                                                                               | D.G. J. Larsson, M. Adolfsson-Erici, P. Thomas                                                                                                                                  | Environmental Toxicology and Chemistry, 25 (2), 419-427 (2006)  | 2006 | US          | Phenyl     | 5um, 250 x 4.6 |
| AP1049 | Determination of vitamin B12 in food products and in premixes by reversed-phase high performance liquid chromatography and immunoaffinity extraction                                            | O. Heudi, T. Kilinc, P. Fontannaz, E. Marley                                                                                                                                    | J. Chrom. A, 1101, 63-68 (2006)                                 | 2006 | Switzerland | AQ         | 3um, 150 x 3.0 |
| AP1050 | Formation of drug-arylsulphonate complexes inside liposomes: A novel approach to improve drug retention                                                                                         | I.V. Zhigaltsev, N. Maurer, K. Edwards, G. Karlsson, P.R.                                                                                                                       | Journal of Controlled Release, 110, 378-386 (2006)              | 2006 | Canada      | C8         | 3um, 100 x 4.6 |
| AP1051 | Accurate mass filtering of ion chromatograms for metabolite identification using a unit mass resolution liquid chromatography/mass spectrometry system                                          | M. Gu, Y. Wang, X. Zhao, Z. Gu                                                                                                                                                  | Rapid Communications in Mass Spectrometry, 20, 764-770 (2006)   | 2006 | US          | C18        | 3um, 150 x 4.6 |
| AP1052 | Moving from fast to ballistic gradient in liquid chromatography/tandem mass spectrometry pharmaceutical bioanalysis: matrix effect and chromatographic evaluations                              | C. De Nardi, F. Bonelli                                                                                                                                                         | Rapid Comm. Mass Spec., 20, 2709-2716 (2006)                    | 2006 | Italy       | C18        | 5um, 50 x 4.6  |
| AP1053 | Development of a new standard reference material: SRM 1955 (homocysteine and folate in human serum)                                                                                             | M.B. Satterfield, L.T. Sniegoski, K.E. Sharpless, M.J. Welch, A.                                                                                                                | Anal. Bioanal. Chem., 385 (3), 612-622 (2006)                   | 2006 | US          | C18        | 5um, 150 x 4.6 |
| AP1054 | Identification of new differentiation inducing factors from <i>dictyostelium discoideum</i>                                                                                                     | T. Saito, G.W. Taylor, J. Tang, D. Neuhaus, A. Stetsenko, A.                                                                                                                    | Biochimica et Biophysica Acta 1760, 754-761 (2006)              | 2006 | Japan       | Phenyl     | 3um, 150 x 4.6 |
| AP1055 | Formation of dityrosine cross-links during breadmaking                                                                                                                                          | A. Rodriguez-Mateos, S.J. Millar, D.G. Bhandari, R.A.                                                                                                                           | J. Agric. Food Chem., 54, 2761-2766 (2006)                      | 2006 | UK          | AQ         | 5um, 250 x 4.6 |
| AP1056 | Phenolic composition of European cranberrybush ( <i>Viburnum opulus</i> L.) berries and astringency removal of its commercial juice                                                             | Y.S. Velioglu, L. Ekici, E.S. Povrazoglu                                                                                                                                        | Int. J. Food Science and Tech. 41, 1011-1015 (2006)             | 2006 | Turkey      | C18        | 5um, 250 x 4.6 |
| AP1057 | Use of synthetic peptides to locate novel integrin $\alpha_2\beta_1$ -binding motifs in human collagen III                                                                                      | N. Raynal, S.W. Hamaia, P.R. Siljander, B. Maddox, A.R. Peachey, R. Fernandez, L.L.                                                                                             | J. Biol. Chem., 281 (7), 3821-3831 (2006)                       | 2006 | UK          | Phenyl-300 |                |
| AP1058 | Methods for synthesis of nonabromodiphenyl ethers and a chloro-nonabromodiphenyl ether                                                                                                          | A. Christiansson, D. Teelechiel, J. Eriksson, A. Bergman, G.                                                                                                                    | Chemosphere, 63, 562-569 (2006)                                 | 2006 | Sweden      | C18        | 5um, 250 x 4.6 |
| AP1059 | Enhanced mass resolution method development, validation and assay application to support preclinical studies of a new drug candidate                                                            | V. Pucci, F. Bonelli, E. Monteagudo, R. Laufer                                                                                                                                  | Rapid Communications in Mass Spectrometry, 20, 1240-1246 (2006) | 2006 | Italy       | C18        | 5um, 50 x 4.6  |
| AP1060 | Serum concentrations of risperidone and 9-OH risperidone following intramuscular injection of long-acting risperidone compared with oral risperidone medication                                 | R. Mesvag, M. Hendset, H. Refsum, L. Tanum                                                                                                                                      | Acta psychiatr. Scand., 114, 21-26 (2006)                       | 2006 | Norway      | AQ         |                |
| AP1061 | Cerebrospinal fluid HIV-1 RNA, intrathecal immunoactivation and drug concentrations after treatment with a combination of saquinavir, nelfinavir and two nucleoside analogues: the M61022 study | A. Yilmaz, D. Fuchs, L. Hagberg, U. Nillroth, L. Stahle, J. Olof-Svensson, M. Gisslen                                                                                           | BMC Infectious Diseases, 63 (6) (2006)                          | 2006 | Sweden      | C18        | 3um, 50 x 3.0  |
| AP1062 | Novel synthesis of O <sup>6</sup> -alkylguanine containing oligodeoxyribonucleotides as substrates for the human DNA repair protein, O <sup>6</sup> -methylguanine DNA methyltransferase (MGMT) | T. Shibata, N. Glynn, T.B.H. McMurphy, R.S. McElhinney, G.P. Margison, D.M. Willimas                                                                                            | Nucleic Acids Research, 34 (6), 1884-1891 (2006)                | 2006 | UK          | C18        | 5um, 250 x 4.6 |

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|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------|---------|---------|-----------------|
| AP1063 | An HPLC chromatographic reactor approach for investigating the hydrolytic stability of a pharmaceutical compound                                                                                                         | P.J. Skrdla, A. Abraham, Y. Wu                                                                                 | J. Pharm. And Biomed. Anal., 41, 883-890 (2006)          | 2006 | US      | C18     | 5um, 250 x 4.6  |
| AP1064 | The determination of methylmercury in biological samples by HPLC coupled to ICP-MS detection                                                                                                                             | D.S. Vidler, R.O. Jenkins, J.F. Hall, C.F. Harrington                                                          | Applied Organometallic Chemistry, 21 (5), 303-310 (2006) | 2006 | UK      | C18     | 3um, 150 x 3.0  |
| AP1065 | Pharmacodynamic effects and pharmacokinetic profile of a long-term continuous rate infusion of racemic ketamine in healthy conscious horses                                                                              | D.P.K. Lankveld, B. Driessen, L.R. Soma, P.J. Moate, J. Rudy,                                                  | J. Vet. Pharmacol. Therap., 29, 477-488 (2006)           | 2006 | US      | C18     | 5um, 50 x 3.0   |
| AP1066 | Pharmacokinetics of methylprednisolone acetate after intra-articular administration and its effect on endogenous hydrocortisone and cortisone secretion in horses                                                        | L.R. Soma, C.U. Uboh, Y. Luo, F. Guan, P.J. Moate, R.C. Boston                                                 | AJVR, 67 (4), 654-662 (2006)                             | 2006 | US      | C8      | 5um, 50 x 2.1   |
| AP1067 | Determination of triphenylphosphine oxide in active pharmaceutical ingredients by hollow-fibre liquid-phase microextraction followed by reversed-phase liquid chromatography                                             | S.M. Richoll, I. Colon                                                                                         | J. Chrom. A, 1127, 147-153 (2006)                        | 2006 | US      | C18     | 3um, 150 x 4.6  |
| AP1068 | Non-cryogenic CeCl <sub>3</sub> -promoted double additions of methylolithium and <i>n</i> -butyllithium to unsaturated nitriles                                                                                          | J. Limanto, B. Dorner, P. Devine                                                                               | Synthesis, 24, 4143-4150 (2006)                          | 2006 | US      | C18     | 3um, 150 x 3.0  |
| AP1069 | Inhibition of fatty acid amide hydrolase produces analgesia by multiple mechanisms                                                                                                                                       | L. Chang, L. Luo, J.A. Palmer, S. Sutton, S.J. Wilson, A.J. Barbier, J.G. Breitenbucher, S.R. Chaplan, M. Webb | Brit. J. Pharmacology, 148, 102-113 (2006)               | 2006 | US      | C4      | 3um, 50 x 2.1   |
| AP1070 | Age and diet influence the composition of venom from the endoparasitic wasp <i>Pimpla turionellae</i> L. (Hymenoptera: Ichneumonidae)                                                                                    | F. Uckan, E. Ergin, D.B. Rivers, N. Gencer                                                                     | Arch. Insect Biochem. and Physiol. 63, 177-187 (2006)    | 2006 | Turkey  | C18     | 3um, 125 x 4.0  |
| AP1071 | The mycobacterial thioredoxin peroxidase can act as a one-cysteine-peroxiredoxin                                                                                                                                         | M. Trujillo, P. Mauri, L. Benazzi, M. Comini, A. De                                                            | J. Biol. Chem., 281 (29), 20555-20566 (2006)             | 2006 | Uruguay | C18     | 5um, 150 x 1.0  |
| AP1072 | Role of the subunit composition of central nicotinic acetylcholine receptors for the stimulatory and dopamine-enhancing effects of ethanol                                                                               | E. Jerlhag, M. Grotli, K. Luthman, L. Svensson, J.A. Engel                                                     | Alcohol and Alcoholism, 41 (5), 486-493 (2006)           | 2006 | Sweden  | AQ      | 5um, 250 x 21.2 |
| AP1073 | Evidence for the formation of a heptameric ion channel complex by the hepatitis C virus P7 protein in vitro                                                                                                              | D. Clarke, S. Griffin, L. Beales, C. St Gelais, S. Burgess, M. Harris, D. Rowlands                             | J. Biol. Chem., 281 (48), 37057-37068 (2006)             | 2006 | UK      | C4-300  | 5um             |
| AP1074 | Determination of trace levels of dinitrophenolic compounds in environmental water samples using hollow fibre supported liquid membrane extraction and high performance liquid chromatography                             | T. Berhanu, J. Liu, R. Romero, N. Megersa, J.A. Jonsson                                                        | J. Chrom. A, 1103, 1-8 (2006)                            | 2006 | Sweden  | C18     | 5um, 250 x 4.6  |
| AP1075 | Synthesis and characterization of novel poly(ethylene glycol)-lipid conjugates suitable for use in drug delivery                                                                                                         | J. Heyes, K. Hall, V. Taylor, R. Lenz, I. MacLachlan                                                           | Journal of Controlled Release, 112, 280-290 (2006)       | 2006 | Canada  | C8      | 5um, 250 x 4.6  |
| AP1076 | Pharmacokinetic variability of aripiprazole and the active metabolite dehydroaripiprazole in psychiatric patients                                                                                                        | E. Molden, H. Lunde, N. Lunder, H. Refsum                                                                      | Ther. Drug. Monit., 28 (6), 744-749 (2006)               | 2006 | Norway  | AQ      | 3um, 100 x 2.1  |
| AP1077 | Inflammatory inert poly(ethylene glycol)-protein wound dressing improves healing responses in partial- and full-thickness wounds                                                                                         | K.I. Shinel, L.D. Stabile, J. Marty, M. Faure                                                                  | International Wound Journal 3 (4), 332-342 (2006)        | 2006 | Canada  | C8      | 5um, 300 x 4.6  |
| AP1078 | Liquid chromatographic and spectrophotometric determination of diflucortolone valerate and chlorquinaldol in creams                                                                                                      | I.M. Palabiyik, D. Asan, F. Onur                                                                               | J. Food and Drug Anal., 15 (2), 145-150 (2007)           | 2007 | Turkey  | C18     | 5um, 250 x 4.6  |
| AP1079 | Development and application of an analytical protocol for evaluation of treatment processes for landfill leachates. 1. Development of an analytical protocol for handling organic compounds in complex leachate samples. | S. Bergstrom, B. Svensson, L. Martensson, L. Mathiasson                                                        | Intern. J. Environ. Anal. Chem., 87 (1), 1-15, (2007)    | 2007 | Sweden  | C18     | 5um, 250 x 4.6  |
| AP1080 | In search of a standard method for the characterisation of organic solvent nanofiltration membranes                                                                                                                      | Y.H. See Toh, X.X. Loh, K. Li, A. Bismarck, A.G. Livingston                                                    | J. Membrane Science, 291, 120-125 (2007)                 | 2007 | UK      | C18-300 |                 |
| AP1081 | Quantitative analysis of cyanobacterial toxins by matrix-assisted laser desorption ionization mass spectrometry                                                                                                          | K.L. Howard, G.L. Boyer                                                                                        | Anal. Chem. 79, 5980-5986 (2007)                         | 2007 | US      | C18     |                 |
| AP1082 | Pharmacokinetics of boldenone and stanozolol and the results of quantification of anabolic and androgenic steroids in race horses and nonrace horses                                                                     | L.R. Soma, C.E. Uboh, F. Guan, S. McDonnell, J. Pack                                                           | J. Vet. Pharmacol. Therap., 30, 101-108 (2007)           | 2007 | US      | C8      | 3um, 50 x 2.1   |
| AP1083 | Simultaneous determination of midazolam and 1'-hydroxymidazolam in human plasma by liquid chromatography with tandem mass spectrometry                                                                                   | W. Li, H.T. Smith, F.L.S. Tse                                                                                  | Biomed. Chromatogr., 21, 841-851 (2007)                  | 2007 | US      | C18     | 3um, 50 x 2.1   |
| AP1084 | Application of liquid chromatography-electrospray ionisation mass spectrometry for determination of dietary folates: Effects of buffer nature and mobile phase composition on sensitivity and selectivity                | J.D.M. Patring, J.A. Jastrebova                                                                                | J. Chrom. A, 1143, 72-82 (2007)                          | 2007 | Sweden  | C18     | 3um, 150 x 4.6  |

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| AP1085 | Folates in lettuce: a pilot study                                                                                                                                                                                                            | M. Johansson, M. Jagerstad, W.                                                                                                                                                            | Scandinavian J. Food and                                                       | 2007 | Sweden  | C18    | 3um, 150 x 4.6   |
| AP1086 | Control of matrix effects in the analysis of urinary F <sub>2</sub> -isoprostanes using novel multidimensional solid-phase extraction and LC-MS/MS                                                                                           | B. Zhang, K. Saku                                                                                                                                                                         | J. Lipid Research, 48, 733-744 (2007)                                          | 2007 | Japan   | C8     | 3um, 50 x 2.1    |
| AP1087 | Structural and mutagenic analysis of foot-and-mouth disease virus 3C protease reveals the role of the b-ribbon in proteolysis                                                                                                                | T.R. Sweeney, N. Roque-Rosell, J.R. Birtley, R.J. Leatherbarrow, S. Curry                                                                                                                 | J. Virology, 81 (1), 115-124 (2007)                                            | 2007 | UK      | C18    | 5um, 250 x 21.2  |
| AP1088 | Simultaneous HPLC analysis of biogenic amines, amino acids and ammonium ion as aminoenone derivatives in wine and beer                                                                                                                       | S. Gomez-Alonso, I. Hermosin-Gutierrez, E. Garcia-Romero                                                                                                                                  | J. Agric. Food Chem. 55, 608-613 (2007)                                        | 2007 | Spain   | C18-HL | 5um, 250 x 4.6   |
| AP1089 | HPLC analysis of diverse grape and wine phenolics using direct injection and multidetection by DAD and fluorescence                                                                                                                          | S.Gomez-Alonso, E. Garcia-Romero, I. Hermosin-Gutierrez                                                                                                                                   | J. Food Composition and Analysis, 20, 618-626 (2007)                           | 2007 | Spain   | C18    | 5um, 250 x 4.6   |
| AP1090 | Determination of vancomycin in serum by liquid-chromatography-high resolution full scan mass spectrometry                                                                                                                                    | T. Zhang, D.G. Watson, C. Azike, J.N.A. Tettey, A.T. Stearns, A.R. Binning, C.J. Payne                                                                                                    | J. Chrom B, 857, 352-356 (2007)                                                | 2007 | UK      | C8     | 3um, 50 x 3.0    |
| AP1091 | The simultaneous determination of phenylephrine hydrochloride, paracetamol, chlorpheniramine maleate and dextromethorphan hydrobromide in pharmaceutical preparations                                                                        | I.M. Palabiyik, F. Onur                                                                                                                                                                   | Chromatographia Suppl. 66, S93-S96 (2007)                                      | 2007 | Turkey  | C18    | 5um, 250 x 4.6   |
| AP1092 | Profiling phosphoproteins of yeast mitochondria reveals a role of phosphorylation in assembly of the ATP synthase                                                                                                                            | J. Reinders, K. Wagner, R.P. Zahedi, D. Stojanovski, B. Eylich, M. van der Laan, P. Rehling, A. Sickmann, N. Pfanner, C. Meisinger                                                        | Molecular and Cellular Proteomics, 1896-1906 (2007)                            | 2007 | Germany | C18    | 5um, 300 x 0.075 |
| AP1093 | Small potent ligands to the insulin-regulated aminopeptidase (IRAP)/AT <sub>1</sub> receptor                                                                                                                                                 | A. Axen, H. Andersson, G. Lindeberg, H. Ronnholm, J. Kortessaa, H. Demaezdt, G.                                                                                                           | Journal of Peptide Science, 13, 434-444 (2007)                                 | 2007 | Sweden  | Phenyl | 5um, 150 x 21.2  |
| AP1094 | Multistage and tandem mass spectrometry of glycosylated triterpenoid saponins isolated from <i>Bacopa monnieri</i> : Comparison of the information content provided by different techniques                                                  | M. Zehl, E. Pittenauer, L. Jirovetz, P. Bandhari, B. Singh, V.K.kaul, A. Rizzi, G. Allmaier                                                                                               | Anal. Chem., 2007                                                              | 2007 | Austria | C4-300 | 5um, 250 x 4.6   |
| AP1095 | A study on the relation between anthocyanin content and product quality: Shalgam as a model beverage                                                                                                                                         | N. Turker, S. Aksay, O. Istanbulu, E. Artuvan                                                                                                                                             | J. Food Quality, 30, 953-969 (2007)                                            | 2007 | Turkey  | C18    | 5um, 250 x 4.6   |
| AP1096 | Determination of the HIV integrase inhibitor, MK-0518 (raltegravir), in human plasma using 96-well liquid-liquid extraction and HPLC-MS/MS                                                                                                   | S.A. Merschman, P.T. Vallano, L.A. Wening, B.K. Matuszewski, E.J. Woolf                                                                                                                   | J. Chrom. B., 857, 15-24 (2007)                                                | 2007 | US      | C18    | 3um, 50 x 3.0    |
| AP1097 | Enhanced N-glycosylation site analysis of sialoglycopeptides by strong cation exchange prefractionation applied to platelet plasma membranes                                                                                                 | U. Lewandrowski, R.P. Zahedi, J. Moebius, U. Walter, A. Sickmann                                                                                                                          | Molecular and Cellular Proteomics, 1933-1941 (2007)                            | 2007 | Germany | C18    | 3um, 150 x 0.075 |
| AP1098 | a-Lipoic acid in dietary supplements: Development and comparison of HPLC-CEAD and HPLC-ESI-MS methods                                                                                                                                        | A.I. Durrani, H. Segwartz, W. Schmid, G. Sontag                                                                                                                                           | J. Pharm. Biomed. Anal., 45, 694-699 (2007)                                    | 2007 | Austria | C18    | 3um, 150 x 3.0   |
| AP1099 | Metabolism and disposition in humans of raltegravir (MK-0518), an anti-AIDS drug targeting the human immunodeficiency virus 1 integrase enzyme                                                                                               | K. Kassahun, I. MvIntosh, D. Cui, D. Hreniuk, S. Merschman, K. Lasseter, N. Azrolan, M.                                                                                                   | Drug Metabolism and Disposition, 35 (9), 1657-1663 (2007)                      | 2007 | US      | C18    | 3um, 50 x 3.0    |
| AP1100 | 3-[5-(3,4-Dichlorophenyl)-1-(4-methoxyphenyl)-1H-pyrazol-3-yl]-2-m-tolyl-propionate (JNJ-17156516), a novel, potent and selective cholecystokinin 1 receptor antagonist: in vitro and in vivo pharmacological comparison with dexloxiglumide | M.F. Morton, T.D. Barrett, W. Yan, J.M. Freedman, G. Lagaud, C.E. Prendergast, V. Moreno, J. Pyati, K. Figueroa, L. Li, X. Wu, M. Rizzolio, J.G. Breitenbucher, K. McClure, N.P. Shankley | Journal of Pharmacology and Experimental Therapeutics, 323 (2), 562-569 (2007) | 2007 | US      | C18    | 3um, 50 x 2.1    |
| AP1101 | Design, synthesis and evaluation of peptide inhibitors of <i>Mycobacterium tuberculosis</i> ribonucleotide reductase                                                                                                                         | J. Nurbo, A.K. Roos, D. Muthas, E. Wahlstrom, D.J. Ericsson, T. Lundstedt, T. Unge and A.                                                                                                 | J. Pept. Sci., 13, 822-832 (2007)                                              | 2007 | Sweden  | Phenyl | 5um, 50 x 4.6    |
| AP1102 | Quantitative determination of fexofenadine in human plasma by HPLC-MS                                                                                                                                                                        | E.A.O. Isleyen, T. Ozden, S. Ozilhan, S. Toptan                                                                                                                                           | Chromatographia Suppl. 66, S109-S113 (2007)                                    | 2007 | Turkey  | C18    | 5um, 50 x 4.0mm  |
| AP1103 | Identification of cytotoxic constituents of <i>Nartheecium ossifragum</i> using bioassay-guided fractionation                                                                                                                                | S. Uhlig, H. Wisloff, D. Petersen                                                                                                                                                         | J. Agric. Food Chem., 55, 6018-6026 (2007)                                     | 2007 | Norway  | C18    | 5um, 250 x 10.0  |
| AP1104 | Lipidomic analysis of glioblastoma multiforme using mass spectrometry                                                                                                                                                                        | S.J., Ha, G. Showalter, S. Cai, H. Wang, W.M. Liu, A.A. Cohen-Gadol, J.N. Sarkaria, J. Rickus, J. Springer, J. Adamec, K.E. Pollok, K.L. Clase                                            | Anal. Chem., 79 (22), 8423-8430 (2007)                                         | 2007 | USA     | C8-300 | 5um, 100 x 2.1   |

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| AP1105 | Retention studies of acrylamide for the design of a robust liquid chromatography-tandem mass spectrometry method for food                                                    | J. Rosén, A. Nyman, K-E. Hellenäs                                                                  | J. Chrom. A, 1172, 19-24 (2007)                                  | 2007 | Sweden | CN     | 5um, 150 x 2.1  |
| AP1106 | A stability-indicating LC assay method for pemetrexed disodium                                                                                                               | G. Saravanan, M.V. Suryanarayana, M.J. Jadhav, M. Ravikumar, N. Someswararao, P.V.R. Acharyulu     | Chromatographia Suppl. 66 (5/6), 431-434 (2007)                  | 2007 | India  | C18    | 3um, 150 x 4.6  |
| AP1107 | Determination of non-steroidal anti-inflammatory drugs in pharmaceuticals and human serum by dual-mode gradient HPLC and fluorescence detection                              | H. Ibrahim, A. Boyer, J. Bouajila, F. Couderc, F. Nepveu                                           | J. Chrom. B, 857, 59-66 (2007)                                   | 2007 | France | C18    | 5um, 150 x 4.6  |
| AP1108 | Early virologic rebound in a pilot trial of ritonavir-boosted atazanavir as maintenance monotherapy                                                                          | O. Karlstrom, F. Josephson, A. Sonnerborg                                                          | J. Acqui. Immune Defic. Syndrome, 44 (4), 417-422 (2007)         | 2007 | Sweden | C18    | 3um, 50 x 3.0   |
| AP1109 | Antimicrobial components of the neonatal gut affected upon colonization                                                                                                      | Y. Kai-larsen, G. Bergsson, G. H. Gudmundsson, G. Printz, H. Jornvall, G. Marchini, B. Agerberth   | Pediatric Research, 61 (5), 530-536 (2007)                       | 2007 | Sweden | C18    | 5um, 150 x 2.1  |
| AP1110 | Diversity of detoxification pathways of ingested ecdysteroids among phytophagous insects                                                                                     | K. Rharraabe, S. Alla, A. Maria, F. Sayah, R. Lafont                                               | Archives of Insect Biochemistry and Physiology, 65, 65-73 (2007) | 2007 | France | C18-HL | 5um, 150 x 4.6  |
| AP1111 | Fruits and stir-fried vegetables increase plasma carotenoids in young adults                                                                                                 | Y.-J. Lin, Y.-W. Chien, S.-H. Yang, H.H. Cheng                                                     | Asia Pac. J. Clin. Nutr., 16 (4), 616-623 (2007)                 | 2007 | Taiwan | C18    | 5um, 250 x 4.6  |
| AP1112 | Determination of bitter orange alkaloids in dietary supplements standard reference materials by liquid chromatography with ultraviolet absorbance and fluorescence detection | K. Putzbach, C.A. Rimmer, K.E. Sharpless, L.C. Sander                                              | J. Chrom. A, 1156, 304-311 (2007)                                | 2007 | USA    | C18    | 5um, 250 x 4.6  |
| AP1113 | Mass spectrometric determination of the predominant adrenergic protoalkaloids in bitter orange ( <i>Citrus aurantium</i> )                                                   | B.C. Nelson, K. Putzbach, K.E. Sharpless, L.C. Sander                                              | J. Agric. Food Chem. 55, 9769-9775 (2007)                        | 2007 | USA    | C18    | 5um, 250 x 4.6  |
| AP1114 | Analysis of per- and polyfluorinated alkyl substances in air samples from Northwest Europe                                                                                   | J.L. Barber, U. Berger, C. Chaemfa, S. Huber, A. Jahnke, C. Temme, K.C. Jones                      | J. Environ. Monit., 9, 530-541 (2007)                            | 2007 | UK     | C18    | 3um, 150 x 2.1  |
| AP1115 | Site-specific N-terminal labelling of proteins in vitro and in vivo using N-myristoyl transferase and bioorthogonal ligation chemistry                                       | W.P.Heal, S.R. Wickramasinghe, P.W. Bowyer, A.A. Holder, D.F. Smith, R.J. Leatherbarrow, E.W. Tate | Chemical communications Suppl. 2007                              | 2007 | UK     | C18    | 5um, 250 x 4.6  |
| AP1116 | Determination of artemisinin in selected <i>Artemisia</i> L. species of Turkey by reversed phase HPLC                                                                        | N. Erdemoglu, I. Orhan, M. Kartal, N. Adiguzel, B. Bani                                            | Rec. Nat. Prod. 1 (2-3), 36-43 (2007)                            | 2007 | Turkey | C18    | 5um, 250 x 4.6  |
| AP1117 | A rapid HPLC method for determination of Sudan dyes and Para Red in red chilli pepper                                                                                        | E. Ertas, H. Ozer, C. Alasalvar                                                                    | Food Chem., 105 (2), 756-760 (2007)                              | 2007 | Turkey | C18    | 5um, 250 x 4.6  |
| AP1118 | Anthocyanin profile of Spanish <i>Vitis vinifera</i> L. red grape varieties in danger of extinction                                                                          | S. Gomez-Alonso, M. Fernandez-Gonzalez, A. Mena, J. Martinez,                                      | Australian J. Grape and Wine Research, 13, 150-156 (2007)        | 2007 | Spain  | C18    | 5um, 250 x 4.6  |
| AP1119 | Occurrence of ochratoxin A in Turkish wines                                                                                                                                  | I. Var, B. Kabak                                                                                   | Microchem. J. 86, 241-247 (2007)                                 | 2007 | Turkey | C18    | 5um, 250 x 4.6  |
| AP1120 | Simultaneous determination of rosiglitazone and metformin in pharmaceutical preparations by LC                                                                               | C. Yardimci, N. Ozaltin                                                                            | Chromatographia, 66 (7/8), 589-593 (2007)                        | 2007 | Turkey | Phenyl | 5um, 250 x 4.6  |
| AP1121 | Half-life of serum elimination of perfluorooctanesulphonate, perfluorohexanesulphonate and perfluorooctanoate in retired fluorochemical production workers                   | G.W. Olsen, J.M. Burris, D.J. Ehresman, J.W. Froehlich, A.M. Seacat, J.L. Butenhoff, L.R.          | Environmental Health Perspectives, 115 (9), 1298-1305 (2007)     | 2007 | US     | C18    | 5um, 100 x 21.  |
| AP1122 | Determination of glimepiride in human plasma by LC-MS-MS                                                                                                                     | N. Yuzuak, T. Ozden, S. Eren, S. Ozilhan                                                           | Chromatographia Supplement, 66, S165-S168 (2007)                 | 2007 | Turkey | C18    | 5um, 50 x 4.0   |
| AP1123 | Simultaneous HPLC analysis of omeprazole and hydrochlorothiazide in combined tablets and in vitro dissolution                                                                | O. Sagirli, A. Onal, S.E. Toker, D. Sensoy                                                         | Chromatographia, 66 (3/4), 213-218 (2007)                        | 2007 | Turkey | CN     | 5um, 200 x 4.6  |
| AP1124 | Synthesis of octabrominated diphenyl ethers from aminodiphenyl ethers                                                                                                        | D. Tecliel, A. Christiansson, A. Bergman, G. Marsh                                                 | Environ. Sci. Technol., 41, 7459-7463 (2007)                     | 2007 | Sweden | C18    | 5um, 250 x 21.2 |
| AP1125 | Quantification of daidzein, genistein and fatty acids in soybeans and soy sprouts and some bioactivity studies                                                               | I. Orhan, B. Ozcelik, M. Kartal, S. Aslan, B. Sener, M. Ozguven                                    | Acta Biologica Cracoviensia Series Botanica, 49 (2), 61-68       | 2007 | Turkey | C18    | 5um, 250 x 4.6  |
| AP1126 | Effects of 900-MHz electromagnetic field emitted from cellular phone on brain oxidative stress and some vitamin levels of guinea pigs                                        | I. Metral, H. Mert, N. Mert, Y. Deger, I. Yoruk, A. Yetkin, S. Keskin                              | Brain Research, 1169, 120-124 (2007)                             | 2007 | Turkey | C18    | 5um, 250 x 4.6  |

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| AP1127 | Novel substituted (pyridine-3-yl)phenyloxazolidinones: Antibacterial agents with reduced activity against monoamine oxidase A and increased solubility                                                                      | F. Reck, F. Zhou, C.J. Eyerhmann, G. Kern, D. Carcanague, G. Ioannidis, R. Illingworth, G. Poon, M.B.               | J. Med. Chem., 50, 4868-4881 (2007)                              | 2007 | US     | C18    | 5um, 50 x 4.6  |
| AP1128 | Ochratoxin A in licorice as affected by processing methods                                                                                                                                                                  | A. Arino, M. Herrera, E. Langa, J. Raso, A. Herrera                                                                 | Food Additives and Contaminants, 24,987-992 (2007)               | 2007 | Spain  | C18    | 5um, 250 x 4.6 |
| AP1129 | An improved process for the preparation of 4,4-dimethylloxazolidine-2-thione                                                                                                                                                | N. Tewari, D. Nair, H. Nizar, B.P. Rai, M. Prasad                                                                   | Organic Process research & Development, 11, 466-467 (2007)       | 2007 | India  | C18    | 5um, 150 x 4.6 |
| AP1130 | Stability indication LC determination of entacapone in tablets                                                                                                                                                              | C.S. Paim, H.M.L. Goncalves, D. Miron, J. Sippel, M. Steppe                                                         | Chromatographia, 65 (9/10), 595-599 (2007)                       | 2007 | Brazil | C18    | 5um, 250 x 4.6 |
| AP1131 | Molecular characterization of potential microcystin-producing cyanobacteria in Lake Ontario embayments and nearshore waters                                                                                                 | A.M. Hotta, M.F. Satchwell, G.L. Boyer                                                                              | Appl. Environ. Microbiol., 73 (14), 4570-4578 (2007)             | 2007 | US     | C18    | 5um, 250 x 4.6 |
| AP1132 | Substrate spectrum of w-transaminase from <i>Chromobacterium violaceum</i> DSM30191 and its potential for biocatalysis                                                                                                      | U. Kaulmann, K. Smithies, M.E.B. Smith, H.C. Hailes, J.M.                                                           | Enzyme and Microbial Technology 41, 628-637 (2007)               | 2007 | UK     | C18    | 5um, 150 x 4.6 |
| AP1133 | Bioavailability of apocynin through its conversion to glycoconjugate but not to diapocynin                                                                                                                                  | Q. Wang, R.E. Smith, R. Luchtefeld, A.Y. Sun, A. Simony, R. Luo, G.Y. Sun                                           | Phytomedicine, 15 (6-7), 496-503 (2008)                          | 2008 | US     | C18    | 5um, 100 x 2.1 |
| AP1134 | Enhanced fluorescence detection of <i>cis</i> -combretastatins by post-column photolysis                                                                                                                                    | M.R.L. Stratford                                                                                                    | J. Chrom. A, 1181, 162-165 (2008)                                | 2008 | UK     | C18    | 3um, 150 x 3.0 |
| AP1135 | Quantitation of trace betamethasone or dexamethasone in dexamethasone or betamethasone active pharmaceutical ingredients by reversed-phase high-performance liquid                                                          | K.P. Xiao, Y. Xiong, A. Rustum                                                                                      | J. Chrom. Sci., 46 (1), 15-22 (2008)                             | 2008 | US     |        |                |
| AP1136 | Revealing the metabonomic variation of rosemary extracts using 1H NMR spectroscopy and multivariate data analysis                                                                                                           | C. Xiao, H. Dai, H. Liu, Y. Wang, H. Tang                                                                           | J. Agric. Food Chem., 56, 10142-10153 (2008)                     | 2008 | China  | C18-HL | 5um, 250 x 4.6 |
| AP1137 | Factors influencing fungal and aflatoxin levels in Turkish hazelnuts ( <i>Corylus avellana</i> L.) during growth, harvest, drying and storage: A 3-year study                                                               | G. Ozay, F. Seyhan, C. Pembeci, S. Saklar, A. Yilmaz                                                                | Food Additives & Contaminants (2008)                             | 2008 | Turkey | C18    | 5um, 250 x 4.6 |
| AP1138 | Reduction in ochratoxin A levels in white wine, following treatment with activated carbon and sodium bentonite                                                                                                              | I. Var, B. Kabak, Z. Erginkaya                                                                                      | Food Control 19, 592-598 (2008)                                  | 2008 | Turkey | C18    | 5um, 250 x 4.6 |
| AP1139 | Pharmacometrics and delivery of novel nanoformulated PEG-b-poly(e-caprolactone) micelles of rapamycin                                                                                                                       | J.A. Yanez, M.L. Forrest, Y. Ohgami, G.S. Kwon, N.M. Davies                                                         | Cancer Chemother. Pharmacol., 61 (1), 133-144 (2008)             | 2008 | US     | C18    | 3um, 50 x 4.6  |
| AP1140 | Isolation of a new class of ecdysteroid conjugates (glucosyl-ferulates) using a combination of liquid chromatographic methods                                                                                               | R. Ho, J.P. Girault, P.Y. Cousteau, J.P. bianchini, P. Raharivelomanana, R. Lafont                                  | J. Chro. Sci., 46, 1-8 (2008)                                    | 2008 | France | C18    | 5um, 150 x 4.6 |
| AP1141 | Can we trust mass spectrometry for determination of arsenic peptides in plants: comparison of LC-ICP-MS and LC-ES-MS/ICP-MS with XANES/EXAFS in analysis of <i>Thunbergia alata</i>                                         | K. Bleumlein, A. Raab, A.A. Meharg, J.M. Charnock, J. Feldmann                                                      | Anal. Bioanal. Chem., 390, 1739-1751 (2008)                      | 2008 | UK     | C18    | 5um, 250 x 4.6 |
| AP1142 | Ecdysteroids in spinach ( <i>Spinacia oleracea</i> L.): Biosynthesis, transport and regulation levels                                                                                                                       | A. Bakrim, A. Maria, F. Sayah, R. Lafont, N. Takvorian                                                              | Plant Physiology and Biochemistry, 46, 844-854 (2008)            | 2008 | France | C18    | 150 x 4.6      |
| AP1143 | Occurrence of fungi and their mycotoxins in individual Turkish dried figs                                                                                                                                                   | H.Z. Senyuva, J. Gilbert, R.A. Samson, S. Ozcan, S.                                                                 | World Mycotoxin Journal, 1 (1), 79-86 (2008)                     | 2008 | Turkey | C18    | 5um, 250 x 4.6 |
| AP1144 | Effects of varying nitrogen doses on yield, yield components and artemisinin content of <i>Artemisia annua</i> L.                                                                                                           | M. Okguven, B. Sener, I. Orhan, N. Sekeroglu, M. Kirpik, M. Kartal, I. Pesin, Z. Kaya                               | Industrial Crops and Products, 27, 60-64 (2008)                  | 2008 | Turkey | C18    | 5um, 250 x 4.6 |
| AP1145 | Seawater requirement for the production of lipoxazolidinones by marine actinomycete strain NPS8920                                                                                                                          | M.J. Sunga, S. Teisan, G. Tsueng, V.R. Macherla, K.S.                                                               | J. Ind. Microbiol. Biotechnol., 35, 761-765 (2008)               | 2008 | US     | C18    | 5um, 150 x 4.6 |
| AP1146 | Reduction of in-source collision-induced dissociation and thermolysis of sulopenem prodrugs for quantitative liquid chromatography/electrospray ionization mass spectrometric analysis by promoting sodium adduct formation | C.E. Wujcik, E.P. Kadar                                                                                             | Rapid Communications in Mass Spectrometry, 22, 3195-3206 (2008)  | 2008 | US     | C18    | 3um, 30 x 2.1  |
| AP1147 | Biodegradability of highly ethoxylated non-ionic surfactants; determination of intermediates and pathways of biodegradation                                                                                                 | C. Sparham, N. Rehman, J. Melling, J. van Duynhoven, S. Marshall                                                    | Environmental Toxicology and Chemistry, 27 (5), 1069-1076 (2008) | 2008 | UK     | C18    | 5um, 150 x 2.1 |
| AP1148 | Antileishmanial and antitrypanosomal activity of bufadienolides isolated from the toad <i>Rhinella jimi</i> parotoid macrogland secretion                                                                                   | A.G. Tempone, D.C. Pimenta, I. Lebrun, P. Sartorelli, N.N. Taniwaki, H. F. de Andrade Jr, M.M. Antoniazzi, C. Jared | Toxicon, 52, 13-21 (2008)                                        | 2008 | Brazil | C18    | 5um, 250 x 4.6 |

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| AP1149 | Biogenic amines and polyamines in liver, kidney and spleen of roe deer and European brown hare                                                                                           | P. Paulsen, Z. Dicakova, F. Bauer                                                                                                                 | Eur. Food Res. Technol., 227, 209-213 (2008)                   | 2008 | Austria     | C18     | 3um, 125 x 3.0  |
| AP1150 | Determination of isoflavones in nutritional supplements by HPLC with coulometric electrode array detection                                                                               | H. Schwartz, G. Sontag                                                                                                                            | Monatsh Chem., 139, 865-872 (2008)                             | 2008 | Austri      | C18     | 3um, 150 x 3.0  |
| AP1151 | Impact of the ultrarapid <i>CYP2C19*17</i> allele on serum concentration of escitalopram in psychiatric patients                                                                         | I. Rudberg, B. Mohebi, M. Hermann, H. Refsum, E. Molden                                                                                           | Clinical Pharmacology and therapeutics, 83 (2), 322-327 (2008) | 2008 | Norway      | AQ      |                 |
| AP1152 | Stability-indication LC determination of nitazoxanide in bulk drug and in pharmaceutical dosage form                                                                                     | V.P. Rane, J.N.Sangshetti, K.R. Patil, R.D. Yeole, D.B. Shinde                                                                                    | Chromatographia, 67 (5/6), 455-459 (2008)                      | 2008 | India       | C18     | 5um, 250 x 4.6  |
| AP1153 | Identification, characterization and structure/function analysis of a corrin reductase involved in adenosylcobalamin biosynthesis                                                        | A.D. Lawrence, E. Deery, K.J. McLean, A.W. Munro, R.W.                                                                                            | J. Biol. Chem., 283 (16), 10813-10821 (2008)                   | 2008 | UK          | AQ      | 5um, 250 x 4.6  |
| AP1154 | Spatial and temporal diversity of microcystins and microcystin-producing genotypes in Oneida Lake, NY                                                                                    | A.M. Hottot, M.F. Satchwell, D.L. Berry, C.J. Gobler, G.L. Boyer                                                                                  | Harmful Algae, 7, 671-681 (2008)                               | 2008 | US          | C18     | 3um, 150 x 4.6  |
| AP1155 | Towards absolute quantification of therapeutic monoclonal antibody in serum by LC-MS/MS using isotope-labelled antibody standard and protein cleavage isotope dilution mass spectrometry | O. Heudi, S. Barteau, D. Zimmer, J. Schmidt, K. Bill, N. Lehmann, C. Bauer, O. Kretz                                                              | Anal. Chem., 80, 4200-4207 (2008)                              | 2008 | Switzerland | C18     | 3um, 150 x 4.6  |
| AP1156 | Synthesis of <sup>11</sup> C-labelled metomidate analogues as adrenocortical imaging agents                                                                                              | F. Karimi, M. Erlansson, O. Lindhe, B. Langstrom                                                                                                  | J. Label. Compd. Radiopharm., 51, 273-276 (2008)               | 2008 | Sweden      | C18-HL  | 5um, 250 x 10   |
| AP1157 | Biofortification of folates in white wheat bread by selection of yeast strain and process                                                                                                | S. Hjortmo, J. parting, J. Jastrebova, T. Andlid                                                                                                  | Int. J. Food Microbiol., 127, 32-36 (2008)                     | 2008 | Sweden      | C18     | 3um, 150 x 4.6  |
| AP1158 | A sensitive HPLC-MS-MS method for the determination of raltegravir in human plasma                                                                                                       | M.C. Long, C. Bennetto-Hood, E.P. Acosta                                                                                                          | J. Chrom. B., 867, 165-171 (2008)                              | 2008 | US          | C18     | 3um, 50 x 3.0   |
| AP1159 | A stability-indicating LC method for the simultaneous determination of telmisartan and ramipril in dosage form                                                                           | K.R. Patil, V.P. Rane, J.N. Sangshetti, D.B. Shinde                                                                                               | Chromatographia, 67 (7/8), 575-582 (2008)                      | 2008 | India       | C18     | 5um, 250 x 4.6  |
| AP1160 | HPLC-UV method development and validation for the determination of low level formaldehyde in a drug substance                                                                            | A. Soman, Y. Qiu, Q. Chan Li                                                                                                                      | J. Chrom. Sci., 46, 461-45 (2008)                              | 2008 | US          | C8      | 5um, 150 x 4.6  |
| AP1161 | Broccoli consumption interacts with <i>GSTMI</i> to perturb oncogenic signalling pathways in the prostate                                                                                | M. Traka, A.V. Gasper, A. Melchini, J.R. Bacon, P.W. Needs, V. Frost, A. Chantry, A.M.E. Jones, C.A. Ortori, D.A. Barrett, R.Y. Ball, R.D. Mills, | PLOS ONE, 3 (7) (2008)                                         | 2008 | UK          | C18-300 | 5um, 150 x 2.1  |
| AP1162 | Lynamicins A - E, Chlorinated Bisindole Pyrrole Antibiotics from a Novel Marine Actinomycete                                                                                             | K. A. McArthur, S. S. Mitchell, G. Tsueng, A. Rheingold, D. J. White, J. Grodberg, K. S. Lam, B. C. M. Potts                                      | J. Nat. Prod., 71, 1732-1737 (2008)                            | 2008 | USA         | C18-HL  | 5um, 150 x 21.2 |
| AP1163 | Validation of an analytical methodology for determination of oxytetracycline residue in milk by HPLC with UV detection                                                                   | R. Khosrokhavar, M. Hosseini, M. Amini, M. Pirali-Hamedani,                                                                                       | Toxicology Mechanisms and Methods, 18, 351-354 (2008)          | 2008 | Iran        | C18     | 5um, 250 x 4.6  |
| AP1164 | Spectrophotometric and high performance liquid chromatographic determination of fexofenadine hydrochloride in pharmaceutical formulations                                                | I. Kozan, I.M. Palabiyik, E. Karacan, F. Onur                                                                                                     | Turk. J. Pharm. Sci., 5(3), 175-189 (2008)                     | 2008 | Turkey      | C18     | 5um, 250 x 4.6  |
| AP1165 | Adenosine kinase mediates high affinity adine salvage in <i>Trypanosoma brucei</i>                                                                                                       | M. Vodnala, A. Fijolek, R. Rofougaran, M. Mosimann, P. Maser, A. Hofer                                                                            | J. Biol. Chem., 283 (9), 5380-5388 (2008)                      | 2008 | Sweden      | AQ      | 3um, 100 x 4.6  |
| AP1166 | Identification of heparin/heparan sulphate interacting protein as a major broad-spectrum antimicrobial protein in lung and small intestine                                               | U. Meyer-Hoffert, M. Hornef, B. Henriques-Normark, S. Normark, M. Andersson, K.                                                                   | The FASEB Journal, 22, 2427-2434 (2008)                        | 2008 | Germany     | C18     | 5um, 150 x 4.6  |
| AP1167 | Response of a neuronal model of tuberous sclerosis to mammalian target of rapamycin (mTOR) inhibitors: Effects on mTORC1 and Akt signalling lead to improved survival and function       | L. Meikle, K. Pollozzi, A. Egnor, I. Kramvis, H. Lane, M. Sahin, D.J. Kwiatkowski                                                                 | The Journal of Neuroscience, 21 (21), 5422-5432 (2008)         | 2008 | US          | C18     | 3um, 30 x 2.1   |
| AP1168 | Ability of intestinal lactic acid bacteria to bind and/or metabolise indole                                                                                                              | A. Nowak, M. Arabski, Z. Libudzisz                                                                                                                | Food Technol. Biotechnol. 46 (3), 299-304 (2008)               | 2008 | Poland      | C18     | 5um, 150 x 4.6  |
| AP1169 | N-Myristoyl transferase-mediated protein labelling in vivo                                                                                                                               | W.P. Heal, S.R. Wickramasinghe, R.L. Leatherbarrow, E.W. Tate                                                                                     | Org. Biomol. Chem. 6, 2308-2315 (2008)                         | 2008 | UK          | C18     | 5um, 250 x 4.6  |
| AP1170 | Factors affecting the removal of aflatoxin M1 from food model by <i>Lactobacillus</i> and <i>Bifidobacterium</i> strains                                                                 | B. Kabak, I. Var                                                                                                                                  | J. Environmental Science and Health Part B, 43, 617-624 (2008) | 2008 | Turkey      | C18     | 5um, 250 x 4.6  |



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| AP1171 | Dose formulation and analysis of diapocynin                                                                                                                                       | R. Luchtefeld, R. Luo, K. Stine, M.L. Alt, P.A. Chernovitz, R.E. Smith                                                                                         | J. Agric. Food Chem., 56, 301-306 (2008)               | 2008 | US       | C18    | 100 x 2.1        |
| AP1172 | Glycosylation site analysis of human platelets by electrostatic repulsion hydrophilic interaction chromatography                                                                  | U. Lewandrowski, K. Lohrig, R.P. Zahedi, D. Wolters, A.                                                                                                        | Clin. Proteom., 4 (1-2), 25-36 (2008)                  | 2008 | Germany  | C18    | 3um, 150 x 0.075 |
| AP1173 | Profiling of different bioactive compounds in functional drinks by high performance liquid chromatography                                                                         | J.A. Mendiola, F.R. Marin, F.J. Senorans, G. Reglero, P.J.Martin, A. Cifuentes, E.                                                                             | J. Chrom. A, 1188 (2), 234-241 (2008)                  | 2008 | Spain    | C18    | 3um, 150 x 4.6   |
| AP1174 | <sup>18</sup> F-Labelled vorozole analogues as PET tracer for aromatase                                                                                                           | M. Erlandsson, F. Karimi, K. Takahashi, B. Langstrom                                                                                                           | J. Label Compd. Radiopharm. 51, 207-212 (2008)         | 2008 | Sweden   | C18-HL | 5um, 250 x 4.6   |
| AP1175 | Development of liquid chromatographic methods for the determination of phytosterols in Standard Reference Materials containing saw palmetto                                       | M. Bedner, M.M. Schantz, L.C. Sander, K.E. Sharpless                                                                                                           | J. Chrom. A, 1192, 74-80 (2008)                        | 2008 | US       | C18    | 3um, 150 x 3.0   |
| AP1176 | Lactam ergot alkaloids (ergopeptams) as predominant alkaloids in sclerotia of <i>Claviceps purpurea</i> from Norwegian wild grasses                                               | S. Uhlig, D. Petersen                                                                                                                                          | Toxicon, 52, 175-185 (2008)                            | 2008 | Norway   | C18    | 5um, 250 x 10    |
| AP1177 | In vitro stability, potency and dissolution of duloxetine enteric-coated pellets after exposure to apple sauce, apple juice and chocolate pudding                                 | K.A. Wells, W.G. Losin                                                                                                                                         | Clinical Therapeutics, 30 (7), 1300-1308 (2008)        | 2008 | US       | C8     | 3um, 75 x 4.6    |
| AP1178 | Evaluation of the stability of morphine sulphate in combination with Instillagel                                                                                                  | R. Abdelmageed, N. Labyad, D.G. Watson, M. Pournamdari, C.G. Cable, E. Stanley                                                                                 | J. Clin. Pharm. and Ther. 33, 263-271 (2008)           | 2008 | UK       | C18    | 5um, 150 x 4.6   |
| AP1179 | Determination of cross-linking residues in a pharmaceutical polymer by liquid chromatography - high resolution full scan mass spectrometry                                        | T. Zhang, D.G. Watson, D. Lu, D. Carr, L. Trager                                                                                                               | Talanta 76, 509-512 (2008)                             | 2008 | UK       | C18    | 5um, 100 x 4.6   |
| AP1180 | Folate content in frozen vegetarian ready meals and folate retention after different reheating methods                                                                            | M. Johansson, C. Furuhaugen, W. Frohlich, M. Jagerstad                                                                                                         | LWT 41, 528-536 (2008)                                 | 2008 | Sweden   | C18    | 3um, 150 x 4.6   |
| AP1181 | Phytoecdysteroids and antibacterial activity of the plant <i>Coronia flos-cuculi</i>                                                                                              | N.Z. Mamadalieva, D. Egamberdieva, R. Lafont, J.P. Girault                                                                                                     | Chemistry of Natural Compounds, 44 (3), 404-406 (2008) | 2008 | zbekista | C18    | 5um, 150 x 10    |
| AP1182 | New high-performance liquid chromatographic method for determination of clopidogrel in coated tablets                                                                             | J. Sippel, L.L. Sfair, E.E.S. Schapoval, M. Steppe                                                                                                             | J. of AOAC Int. 91 (1), 67-72 (2008)                   | 2008 | Brazil   | C18    | 5um, 150 x 4.6   |
| AP1183 | S-Adenosyl-L-homocysteine hydrolase, key enzyme of methylation metabolism, regulates phosphatidylcholine synthesis and triacylglycerol homeostasis in yeast.                      | N. Malanovic, I. Streith, H. Wolinski, G. Rechberger, S.D. Kohlwein, O. Tehlivets                                                                              | J. Biol. Chem., 283 (35), 23989-23999 (2008)           | 2008 | Austria  | C18    | 3um, 100 x 2.1   |
| AP1184 | High-resolution differentiation of transmissible spongiform encephalopathy strains by quantitative N-terminal amino acid profiling (N-TAAP) of PK-digested abnormal prion protein | A. Gielbert, L.A. Davis, A. R. Sayers, J. Hope, A.C. Gill, M.J. Sauer                                                                                          | J. Mass Spectrom., (2008)                              | 2008 | UK       | AQ     | 5um, 150 x 0.3   |
| AP1185 | Oral administration of gemcitabine in patients with refractory tumors: A clinical and pharmacologic study                                                                         | S.A. Veltkamp, R.S. Jansen, S. Callies, D. Pluim, C.M. Visseren-Grul, H. Rosing, S. Kloeker-Rhoades, V.A.M. Andre, J.H. Beijnen, C.A. Slapak, J.H.M. Schellens | Clin. Cancer Res., 14 (11), 3477-3486 (2008)           | 2008 | etherlan | C18-HL |                  |
| AP1186 | Characterization of drug-protein binding process by employing equilibrium sampling through hollow-fibre supported liquid membrane and Bjerrum and Scatchard plots                 | T. Barri, T.Trtic-Petrovic, M. Karlsson, J.A. Jonsson                                                                                                          | J. Pharm. And Biomed. Anal., 48, 49-56 (2008)          | 2008 | Sweden   | C18    | 3um, 250 x 4.6   |
| AP1187 | Absence of urinary opioid peptides in children with autism                                                                                                                        | H. Cass, P. Gringras, J. March, I. McKendrick, A.E. O'Hare, L. Owen, C. Pollin                                                                                 | Arch. Dis. Child, 93, 745-750 (2008)                   | 2008 | UK       | C18    | 5um, 250 x 4.6   |
| AP1188 | Thymidine-dependent <i>Staphylococcus aureus</i> small-colony variants: human pathogens that are relevant not only in cases of cystic fibrosis lung disease                       | S.Besier, J. Zander, E. Siegel, S.H. Saum, K. Hunfeld, A. Ehrhart, V. Brade, T.A.                                                                              | J. Clin. Microbiol., 46 (11), 3829-3832 (2008)         | 2008 | Germany  | C18    | 5um, 250 x 4.6   |
| AP1189 | Correspondence between objective and subjective reports of adherence among adolescents with acute lymphoblastic leukaemia                                                         | A.L.H. Pai, D. Drotar, E. Kodish                                                                                                                               | Children's Health Care, 37, 225-235 (2008)             | 2008 | US       | C18    | 5um, 150 x 4.6   |
| AP1190 | Analysis of fluorotelomer alcohols and perfluorinated sulfonamides in biotic samples by liquid chromatography-atmospheric pressure photoionization mass spectrometry              | S. Chu, R.J. Letcher                                                                                                                                           | J. Chrom. A., 1215, 92-99 (2008)                       | 2008 | Canada   | C18    | 3um, 50 x 2.1    |

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| AP1191 | High-throughput microsomal stability assay for screening new chemical entities in drug discovery                                           | M. Fonsi, M.V. Orsale, E. Monteagudo                                                                                                                                                                                                                                             | J. Biomol. Screen. 13 (9), 862–869 (2008)                   | 2008 | Italy     | C18    | 3um, 50 x 4.6    |
| AP1192 | Determination of iridoid glycosides from four Turkish <i>Lamium</i> species by HPLC-ESI/MS                                                 | F.N. Yalcin, D. Kaya, I. Calis, T. Ersoz, E. Palaska                                                                                                                                                                                                                             | Turk. J. Chem., 32, 457–467 (2008)                          | 2008 | Turkey    | C18    | 5um, 150 x 4.0   |
| AP1193 | Thermostability of oxytetracycline, tetracycline and doxycycline at ultrahigh temperatures                                                 | M. Hassani, R. Lazaro, C. Perez, S. Condon, R. Pagan                                                                                                                                                                                                                             | J. Agric. Food Chem., 56, 2676–2680 (2008)                  | 2008 | Spain     | C18    | 5um, 250 x 4.0   |
| AP1194 | Aqueous polymer two-phase systems for the proteomic analysis of plasma membranes from minute brain samples                                 | J. Schindler, U. Lewandrowski, A. Sickmann, E. Friauf                                                                                                                                                                                                                            | Journal of Proteome research, 7, 432–442 (2008)             | 2008 | Germany   | C18    | 3um, 150 x 0.075 |
| AP1195 | Dietary predictors of perfluorinated chemicals: A study from the Danish national birth cohort                                              | T. I. Halldorsson, C. Fei, J. Olsen, L. Lipworth, J.K. Mclaughlin, S.F. Olsen                                                                                                                                                                                                    | Environ. Sci. Technol., 42, 8971–8977 (2008)                | 2008 | Denmark   | C18    | 5um, 100 x 2.1   |
| AP1196 | Stability-indicating HPLC method for determination of vitamins B1, B2, B3 and B6 in pharmaceutical liquid dosage form                      | S. Thomas, R. Kumar, A. Sharma, R. Issarani, B.P. Nagori                                                                                                                                                                                                                         | Indian Journal of Chemical technology 15, 598–603 (2008)    | 2008 | India     | C18    | 5um, 250 x 4.6   |
| AP1197 | Determination of free amino acids and ammonium ion in saffron ( <i>Crocus sativus</i> L.) from different geographical origins              | C.P. del Campo, T. Garde-Cerdan, A.M. Sanchez, L. Maggi, M. Carmona, G.L. Alonso                                                                                                                                                                                                 | Food Chem., 114, 1542–1548 (2009)                           | 2009 | Spain     | C18-HL | 5um, 250 x 4.6   |
| AP1198 | 1-Amino-4-benzylphthalazines as orally bioavailable smoothed antagonists with antitumor activity                                           | K. Miller-Moslin, S. peukert, R.K. Jain, M.A.S. McEwan, R. Karki, L. Llamas, N. Yusuff, F. He, Y. Li, Y. Sun, M. Dai, L. Perez, W. Michael, T. Sheng, H. Lei, R. Zhang, J. Williams, A. Bourret, A. Ramamurthy, J. Yuan, R. Guo, M. Matsunoto, A. Vattay, W. Maniara, A. Amaral, | J. Med. Chem., 52, 3954–3968 (2009)                         | 2009 | USA       | C18    | 3um, 30 x 2.1    |
| AP1199 | Ochratoxin A in cereal-derived products in Turkey: occurrence and exposure assessment                                                      | B. Kabak                                                                                                                                                                                                                                                                         | Food and Chem. Toxicology 47, 348–353 (2009)                | 2009 | Turkey    | C18    | 5um, 250 x 4.6   |
| AP1200 | Production of novel ACE inhibitory peptides from b-lactoglobulin using protease N amino                                                    | P. Ortiz-Chao, J.A. Gomez-Ruiz, R.A. Rastall, D. Mills, R. Craimer, A. Pihlanto, H. Korhonen, P. Jauregi                                                                                                                                                                         | International Dairy Journal, 19, 69–76 (2009)               | 2009 | UK        | C18    | 5um, 250 x 4.6   |
| AP1201 | <sup>18</sup> F labelled metomidate analogues as adrenocortical imaging agents                                                             | M. Erlandsson, F. Karimi, O. Lindhe, B. Langstrom                                                                                                                                                                                                                                | Nuclear Medicine and Biology, 36, 435–445 (2009)            | 2009 | Sweden    | C18-HL | 5um, 250 x 4.6   |
| AP1202 | Tyrosine phosphorylation modulates the activity of TRPV4 in response to defined stimuli                                                    | T. Wegierski, U. Lewandrowski, B. Muller, A. Sickmann, G. Walz                                                                                                                                                                                                                   | J. Biol. Chem., 284 (5), 2923–2933 (2009)                   | 2009 | Germany   | C18    | 3um, 150 x 0.075 |
| AP1203 | Caffeine during exercise in the heat: Thermoregulation and fluid-electrolyte balance                                                       | J. del Coso, E. Estevez, R. Mora-Rodriguez                                                                                                                                                                                                                                       | Medicine and Science in Sports and Exercise 41 (1), 164–173 | 2009 | Spain     | C18    | 5um, 150 x 4.0   |
| AP1204 | Standardization of microcystin extraction from fish tissues. A novel internal standard as a surrogate for polar and non-polar microcystins | J.L. Smith, G.L. Boyer                                                                                                                                                                                                                                                           | Toxicol., 53, 238–245 (2009)                                | 2009 | US        | C18    |                  |
| AP1205 | Azithromycin loaded on hydrogels of carbomer: Chemical stability and delivery properties                                                   | S.L. Esteban, R.H. Manzo, F.L. Alovero                                                                                                                                                                                                                                           | Int. J. Pharmaceutics, 366, 53–57 (2009)                    | 2009 | Argentina | CN     | 5um, 250 x 4.6   |
| AP1206 | The phytoecdysteroid profiles of 7 species of <i>Silene</i> (Carophyllaceae)                                                               | L. Zibareva, V.I. Yeriomina, N. Munkjargal, J. Girault, L. Dinan, R. Lafont                                                                                                                                                                                                      | Archives of Insect Biochemistry and Physiology, 2009        | 2009 | Russia    | C18    | 5um, 150 x 4.6   |
| AP1207 | Characterization of olive-leaf phenolics by ESI-MS and evaluation of their antioxidant capacities by the CAT assay                         | M. Laguerre, L.J.L. Giraldo, G. Piombo, M.C. Figueroa-Espinoza,                                                                                                                                                                                                                  | J. Am. Oil Chem. Soc., 86, 1215–1225 (2009)                 | 2009 | France    | C18    | 5um, 250 x 4.6   |
| AP1208 | Peptides derived from HIV-1 integrase that bind rev stimulate viral genome integration                                                     | A. Levin, Z. Hayouka, M. Helfer, R. Brack-werner, A. Friedler, A. Loyter                                                                                                                                                                                                         | PLoS ONE, 4 (1) (2009)                                      | 2009 | Israel    | C8     |                  |
| AP1209 | Metabolism of quetiapine by CYP3A4 and CYP3A5 in presence or absence of cytochrome B5                                                      | G.V. Bakken, I. Rudberg, H. Christensen, E. Molden, H.                                                                                                                                                                                                                           | Drug Metabolism and Disposition, 37 (2), 254–258 (2009)     | 2009 | Norway    | AQ     | 3um              |
| AP1210 | Apixaban metabolism and pharmacokinetics after oral administration to humans                                                               | N. Raghavan, C.E. Frost, Z. Yu, K. He, H. Zhang, W.G. Humphreys, D. Pinto, S. Chen, S. Bonacorsi, P.C. Wong, D. Zhang                                                                                                                                                            | Drug Metabolism and Disposition, 37 (1), 74–81 (2009)       | 2009 | US        | C18    | 3um, 150 x 4.6   |
| AP1211 | Intra-articular injection composed of steroid, iohexol and local anaesthetic - is it stable?                                               | K. Shah, D. Watson, C. Campbell, R.M.D. Meek                                                                                                                                                                                                                                     | The British Journal of radiology, 82, 109–111 (2009)        | 2009 | UK        | C18    | 5um, 150 x 4.6   |

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| AP1212 | Enantiomeric separation of moxifloxacin and its (R,R)-isomer by ligand-exchange chiral chromatography                                                                                                                                                             | M. Ravikumar, M.S. Varma, T.S. Raju, P. Suchitra, P.Y. Swamy                                                                                       | Chromatographia, 69 (1/2), 85-89 (2009)                                     | 2009 | India     | C18 | 3um, 150 x 4.0 |
| AP1213 | Polyphenol, anthocyanin and resveratrol mass fractions and antioxidant properties of cranberry cultivars                                                                                                                                                          | E.J. Borowska, B. Mazur, R.G. Kopciuch, B. Buszewski                                                                                               | Food Technol. Biotechnol., 47 (1), 56-61 (2009)                             | 2009 | Poland    | C18 | 3um, 150 x 4.0 |
| AP1214 | Stability-indicating LC method for the determination of olmesartan in bulk drug and in pharmaceutical dosage form                                                                                                                                                 | V.P.Rane, K.R. Patil, J.N. Sangshetti, R.D. Yeole, D.B.                                                                                            | Chromatographia, 69 (1/2), 169-173 (2009)                                   | 2009 | India     | C18 | 5um, 250 x 4.6 |
| AP1215 | Biotransformation of aesculin by human gut bacteria and identification of its metabolites in rat urine                                                                                                                                                            | W.-J. Ding, Y. Deng, H. Feng, W.-W. Liu, R. Hu, X. Li, Z.-M.                                                                                       | World Journal of Gastroenterology, 15 (12), 1518-                           | 2009 | China     | C18 | 3um, 150 x 4.6 |
| AP1216 | Perfluoroalkyl compounds (PFCs) in indoor dust: Concentrations, human exposure estimates and sources (supplementary material available)                                                                                                                           | J.A. Bjorklund, K. Thuresson, C. De Wit                                                                                                            | Environ. Sci. Technol., 43 (7), 2276-2281 (2009)                            | 2009 | Sweden    | C18 | 3um, 150 x 2.1 |
| AP1217 | From a natural product lead to the identification of potent and selective benzofuran-3-yl-(indol-3-yl)maleimides as glycogen synthase kinase 3# inhibitors that suppress proliferation and survival of pancreatic cancer cells                                    | I.N. Gaisina, F. Gallier, A.V. Ougolkov, K.H. Kim, T. Kurome, S. Guo, D. Holzle, D.N. Luchini, S.Y. Blond, D.D. Billadeau, A.P. Kozikowski         | J. Med. Chem., 52 (2), 1853-1863 (2009)                                     | 2009 | US        | AQ  | 3um, 100 x 4.6 |
| AP1218 | HPLC determination of acenocoumarol and its major thermal degradation product                                                                                                                                                                                     | R. Ceresole, M.A. Rosasco, C.C. Forastieri, A.I. Segall                                                                                            | Journal of Liquid Chromatography and Related Techniques, 31, 179-187 (2008) | 2008 | Argentina | C18 | 5um, 250 x 4.6 |
| AP1219 | Simultaneous high performance liquid chromatographic determination of telmisartan and hydrochlorothiazide in pharmaceutical preparation                                                                                                                           | V.P. Rane, J.N. Sangshetti, D.B. Shinde                                                                                                            | Journal of Chromatographic Science, 46, 887-891 (2008)                      | 2008 | India     | C18 | 5um, 250 x 4.6 |
| AP1220 | Monoterpene-induced molecular responses in <i>Arabidopsis thaliana</i>                                                                                                                                                                                            | K. Godard, R. White, J. Bohlmann                                                                                                                   | Phytochemistry, 69, 1838-1849 (2008)                                        | 2008 | Canada    | C18 | 100 x 2.1      |
| AP1221 | Electrochemical generation of electrophilic drug metabolites: characterization of amodiaquine quinoneimine and cysteinyl conjugates by MS, IR and NMR                                                                                                             | U. Jurva, A. Holmen, G. Gronberg, C. Masimirembwa, L. Weidolf                                                                                      | Chem. Res. Toxicol., 21, 928-935 (2008)                                     | 2008 | Sweden    | C8  | 3um, 100 x 2.1 |
| AP1222 | Identifying carotenoids and phenolic compounds in naranjilla ( <i>Solanum quitoense</i> Lam. Var. Puyo hybrid), an Andean fruit                                                                                                                                   | A. Gancel, P. Alter, C. Dhuique-Mayer, J. Ruales, F. Vaillant                                                                                      | J. Agric. Food Chem., 56, 11890-11899 (2008)                                | 2008 | France    | C18 | 5um, 250 x 4.6 |
| AP1223 | Analysis of trifluoroacetic acid and other short-chain perfluorinated acids (C2-C4) in precipitation by liquid chromatography-tandem mass spectrometry: Comparison to patterns of long chain perfluorinated acids (C5-C18)                                        | S. Taniyasu, K. Kannan, L. W. Y. Yeung, K. Y. Kwok, P. K. S. Lam, N. Yamashita                                                                     | Analytica Chimica Acta, 619, 221-230 (2008)                                 | 2008 | Japan     | C8  | 3um, 150 x 2.1 |
| AP1224 | Determination of nimesulide in pharmaceutical formulations and in human serum by reversed-phase high performance liquid chromatography                                                                                                                            | P.Reddy-Battu                                                                                                                                      | Int. J. PharmTech Research, 1 (2), 206-209 (2009)                           | 2009 | India     | C18 | 5um, 250 x 4.0 |
| AP1225 | Characterisation of vitamin B12 immunoaffinity columns and method development for determination of vitamin B12 in a range of foods, juices and pharmaceutical products using immunoaffinity clean-up and high performance liquid chromatography with UV detection | E.C. Marley, E. Mackay, G. Young                                                                                                                   | Food Additives and Contaminants, 26 (3), 282-288 (2009)                     | 2009 | UK        | AQ  | 3um, 150 x 3.0 |
| AP1226 | Acute clozapine exposure in vivo induces lipid accumulation and marked sequential changes in the expression of SREBP, PPAR and LXR target genes in rat liver                                                                                                      | J. Ferno, A. O. Vik-Mo, G. Jassim, B. Havik, K. Berge, S. Skrede, O.A. Gudbrandsen, J. Waage, N. Lunder, S. Mork, R.K. Berge, H.A. Jorgensen, V.M. | Psychopharmacology, 2-3(1), 73-84 (2009)                                    | 2009 | Norway    | AQ  | 3um, 100 x 2.1 |
| AP1227 | GTP cyclohydrolase I expression, protein and activity determine intracellular tetrahydrobiopterin levels, independent of GTP cyclohydrolase feedback regulatory protein expression                                                                                | A.L. Tatham, M.J. Crabtree, N. Warrick, S.Cai, N.J. Alp, K.M. Channon                                                                              | J. Biol. Chem., 284 (20), 13660-13668 (2009)                                | 2009 | UK        | C18 | n/a            |
| AP1228 | Ability of probiotic <i>Lactobacillus casei</i> DN 114001 to bind or/and metabolise heterocyclic aromatic amines in vitro                                                                                                                                         | A. Nowak, Z. Libudzisz                                                                                                                             | Eur. J. Nutr., 2009                                                         | 2009 | Poland    | C18 | 5um, 150 x 4.6 |
| AP1229 | Reduction of ochratoxin A levels in white wine by yeast treatments                                                                                                                                                                                                | I. Var, Z. Erginkaya, B. Kabak                                                                                                                     | J. Inst. Brewing, 115 (1), 30-34 (2009)                                     | 2009 | Turkey    | C18 | 5um, 250 x 4.6 |
| AP1230 | Estimation of dietary intake of ochratoxin A from liquorice confectionery                                                                                                                                                                                         | M. Herrera, A. Herrera, A. Arino                                                                                                                   | Food and Chemical Toxicology, 2009                                          | 2009 | Spain     | C18 | 5um, 250 x 4.6 |
| AP1231 | Preparative chromatography technique in the removal of isostructural genotoxic impurity in rizatriptan: Use of physicochemical descriptors of solute and adsorbent                                                                                                | S.R. Maddula, M. Kharkar, K. Manudhane, S. Kale, A. Bhoori, A. Lali, P.K. Dubey, K.R. Janardana Sarma, A. Bhattacharya, R. Bandichhor              | Organic Process research & Development, 2009                                | 2009 | India     | CN  | 5um, 250 x 4.6 |

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| AP1232 | Effect of g-irradiation on agaritine, g-glutaminy-4-hydroxybenzene (GHB), antioxidant capacity and total phenolic content of mushrooms ( <i>Agaricus bisporus</i> )                                                             | I. Sommer, H. Schwartz, S. Solar, G. Sontag                                           | J. Agric. Food Chem., 57, 5790-5794 (2009)                          | 2009 | Austria   | C18    | 3um, 100 x 2.1 |
| AP1233 | Sulphation of O-demethyl apixaban: enzyme identification and species comparison                                                                                                                                                 | L. Wang, N. Raghavan, J.M. Luettgen, W.G. Humphreys, R.M. Knabb, D.J. Pinto, D. Zhang | Drug Metabolism and Disposition, 37 (4), 802-808 (2009)             | 2009 | US        | C18    | 3um, 150 x 4.6 |
| AP1234 | A validated, specific stability-indicating RP-LC method for moxifloxacin and its related substances                                                                                                                             | M.L. Devi, K.B. Chandrasekhar                                                         | Chromatographia, 69 (9/10), 993-999 (2009)                          | 2009 | India     | C18    | 5um, 250 x 4.6 |
| AP1235 | Spectrophotometric and liquid chromatographic determination of acemetacin in pharmaceutical formulations                                                                                                                        | H. Ozbakan, I. Murt, M. G. Caglayan, F. Onur                                          | Turk. J. Pharm. Sci., 6 (3), 163-176 (2009)                         | 2009 | Turkey    | C18    | 5um, 250 x 4.6 |
| AP1236 | A validated, specific stability-indicating RP-LC method for analysis of gatifloxacin in the presence of degradation products and process-related impurities                                                                     | M.L. Devi, K.B. Chandrasekhar                                                         | Chromatographia, 69 (9/10), 985-992 (2009)                          | 2009 | India     | C18    | 5um, 250 x 4.6 |
| AP1237 | Metabolism-related liabilities of a potent histone deacetylase (HDAC) inhibitor and relevance of the route of administration on its metabolic fate                                                                              | M. Fonsi, F. Fiorenza, P. Jones, O. Kinzel, R. Laufer, M. Rowley, E. Monteagudo       | Xenobiotica, 1-16 (2009)                                            | 2009 | Italy     | C18    | 5um, 150 x 4.6 |
| AP1238 | Ocular pharmacokinetics of AzaSite Xtra - 2% azithromycin formulated in a DuraSite delivery system                                                                                                                              | E.C. Si, P.S. Cheung, L. Bowman, K. Hosseini                                          | Current Eye Research, 34, 485-491 (2009)                            | 2009 | US        | Phenyl | 5um, 100 x 2.1 |
| AP1239 | Balsa raft crossing the Pacific finds low contaminant levels                                                                                                                                                                    | A. Goksoyr, K.E. Tollefsen, M. Grung, K. Loken, E. Lie, A.                            | Environmental Science & Technology, 43 (13), 4783-4790              | 2009 | Norway    | C18    | 3um, 150 x 2.1 |
| AP1240 | Variations in chemical compositions of <i>Rosa damascena</i> Mill. and <i>Rosa canina</i> L. fruits                                                                                                                             | S. Kazaz, H. Baydar, S. Erbas                                                         | Czech. J. Food Sci., 27 (3), 178-184 (2009)                         | 2009 | Turkey    | C18    | 5um, 250 x 4.6 |
| AP1241 | Pinellia ternata, Citrus reticulata and their combinational prescription inhibit eosinophil infiltration and airway hyperresponsiveness by suppressing CCR3+ and Th2 cytokines production in the ovalbumin-induced asthma model | I-S. Ok, S-H. Kim, B-K. Kim, J-C. Lee, Y-C. Lee                                       | Mediators of Inflammation, 2009                                     | 2009 | South Kor | C18    | 10um, 250 x 30 |
| AP1242 | LC determination of gallic acid in preparations derived from <i>Schinus terebinthifolius</i> raddi                                                                                                                              | M.G. Carvalho, F.D. Freire, F.N. Raffin, C.F.S. Aragao, T.F.A.L. Moura                | Chromatographia Supplement, 69, S249-S253 (2009)                    | 2009 | Brazil    | C18    | 5um, 150 x 4.6 |
| AP1243 | Co-isolation of deoxyrivastatin and zearalenone with sor-gel immunoaffinity columns for their determination in wheat and wheat products                                                                                         | Z. Brenn-Struckhofova, C. Fureder, M. Cichna-Markl, E.                                | J. Chrom. A, 1216, 5828-5837 (2009)                                 | 2009 | Austria   | C18    | 3um, 150 x 3.0 |
| AP1244 | A validated stability-indicating RP-HPLC method for levofloxacin in the presence of degradation products, its process related impurities and identification of oxidative degradant                                              | M.L. Devi, K.B. Chandrasekhar                                                         | J. Pharm. and Biomed. Analysis, 50, 710-717 (2009)                  | 2009 | India     | C18    | 5um, 250 x 4.6 |
| AP1245 | Development and validation of a stability-indicating RP-HPLC method to separate low levels of dexamethasone and other related compounds from betamethasone                                                                      | Y. Xiong, K.P. Xiao, A.M. Rustum                                                      | J. Pharm. and Biomed. Anal., 49, 646-654 (2009)                     | 2009 | US        | Phenyl | 3um, 100 x 4.6 |
| AP1246 | LC method for telithromycin in tablets: A stability-indicating assay                                                                                                                                                            | L.C. Vaucher, C.S. Paim, A.D. Lange, E.E.S. Schapoval                                 | Int. J. Pharmaceutics, 366, 82-87 (2009)                            | 2009 | Brazil    | C18    | 5um, 250 x 4.6 |
| AP1247 | Development of a high performance liquid chromatography - fluorescence detection method for analyzing nonylphenol/dinonylphenol-polyethoxy-ate-based phosphate esters                                                           | A. Stenholm, S. Holmstrom, S. Hjarthag, O. Lind                                       | J. Chrom. A, 1216, 6974-6977 (2009)                                 | 2009 | Sweden    | Phenyl | 3um, 150 x 3.0 |
| AP1248 | The relationship between leaf rolling and ascorbate-glutathione cycle enzymes in apoplastic and symplastic areas of <i>Ctenanthe setosa</i> subjected to drought stress                                                         | N. Saruhan, R. Terzi, A. Saglam, A. Kadioglu                                          | Biol. Res. 42, 315-326 (2009)                                       | 2009 | Turkey    | C18    | 5um, 250 x 4.6 |
| AP1249 | Post-dispensing stability surveillance: Stavudine                                                                                                                                                                               | K.K. Naidoo, T. Govender, R.A. Deonunan, T. Govender, C.                              | African Journal of Primary Health Care & Family Medicine, 1         | 2009 | South Afr | C18    | 5um, 150 x 4.6 |
| AP1250 | Comparison study of porous, fused-core and monolithic silica-based C18 HPLC columns for Celestoderm-V ointment analysis                                                                                                         | J. Zheng, D. Patel, Q. Tang, R.J. Markovich, A. M. Rustum                             | J. Pharm. & Biomed. Anal., 50, 815-822 (2009)                       | 2009 | US        | C18    | 3um, 100 x 4.6 |
| AP1251 | A sensitive and high throughput LC-MS/MS method for the quantification of pegylated-interferon- $\alpha_{2a}$ in human serum using monolithic C18 solid phase extraction for enrichment                                         | Z. Yang, J. Ke, M. Hayes, M. Bryant, F. L.S. Tse                                      | J. Chrom. B, 877, 1737-1742 (2009)                                  | 2009 | US        | C8     | 5um, 50 x 2.1  |
| AP1252 | Perfluorooctane sulfonate (PFOS) toxicity in domestic chicken ( <i>Gallus gallus domesticus</i> ) embryos in the absence of effects on peroxisome proliferator activated receptor alpha (PPAR $\alpha$ )-regulated genes        | J.M.O'Brien, A.C. Carew, S. Chu, R.J. Letcher, S.W. Kennedy                           | Comparative Biochemistry and Physiology, Part C 149, 524-530 (2009) | 2009 | Canada    | C18    | 3um, 50 x 2.1  |
| AP1253 | Application of ion-trap mass spectrometry for identification and structural determination of an unknown impurity in simvastatin                                                                                                 | G.V. R. Reddy, A, P, Kumar, B.V. Reddy, J. Sreeramulu                                 | Pharmazie, 64, 638-641 (2009)                                       | 2009 | South Kor | C18    | 5um, 150 x 4.6 |

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|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------|---------|--------|----------------|
| AP1254 | Simultaneous determination of triprolidine and pseudoephedrine in human plasma by liquid chromatography-ion trap mass spectrometry                                                                                          | A.K. Shakya, T.A. Arfat, A.N. Abuawwad, M. Melhim, J. Al-Ghani, M.J. Yacoub                                                                                                                             | J. Chrom. B, 877, 4071-4078 (2009)                                     | 2009 | Jordan  | C18    | 5um, 50 x 2.1  |
| AP1255 | Ecdysteroids from <i>Cyanotis longifolia</i> Beeth. (Commelinaceae)                                                                                                                                                         | S. Crouzer, A. Maria, L. Dinan, R. Lafont, J. Girault                                                                                                                                                   | Archives of Insect Biochemistry and Physiology, 72 (4), 194-209 (2009) | 2009 | France  | C18    | 5um, 150 x 4.6 |
| AP1256 | Mutagenic risks induced by homemade hair straightening creams with high formaldehyde content                                                                                                                                | J.L. Mazzei, E.V. Figueiredo, L.J. da Veiga, C.A.F. Aiub, P.L.C. Guimaraes, I. Felzenszwalb                                                                                                             | J. Appl. Toxicol. (2009)                                               | 2009 | Brazil  | C18    | 5um, 250 x 4.6 |
| AP1257 | Novel farnesylthiosalicylate (FTS)-eluting composite structures                                                                                                                                                             | A. Kraitzer, Y. Kloog, M. Zilberman                                                                                                                                                                     | European J. Pharm. Sci., 37, 351-362 (2009)                            | 2009 | Israel  | C18    | 5um, 250 x 4.6 |
| AP1258 | Sulfamethoxazole contamination of a deep phreatic aquifer                                                                                                                                                                   | D. Avisar, Y. Lester, D. Ronen                                                                                                                                                                          | Science of the Total Environment, 407 (14), 4278-4282 (2009)           | 2009 | Israel  | C18    | 5um, 250 x 2.1 |
| AP1259 | Effects of tramadol hydrochloride on the thermal threshold in cats                                                                                                                                                          | B.H. Pypendop, K.T. Siao, J.E. Ilkiw                                                                                                                                                                    | American Journal of Veterinary Research, 70 (12), 1465-1470 (2009)     | 2009 | US      | C18    | 3um, 100 x 2.1 |
| AP1260 | Perfluorinated compounds in delivering women from south central Vietnam                                                                                                                                                     | C. Rylander, D.T. Phi, J.O. Odland, T.M. Sandanger                                                                                                                                                      | J. Environ. Monit., 11, 2002-2008 (2009)                               | 2009 | Norway  | C18    | 3um, 150 x 2.1 |
| AP1261 | Application of stable isotope methodology in the evaluation of the pharmacokinetics of (S,S)-3-[3-(methylsulphonyl)phenyl]-1-propylpiperidine hydrochloride in rats                                                         | S. Yamazaki, L.N. Toth, E. Kimoto, J. Bower, J. Skaptason, D. Romero, T.G. Heath                                                                                                                        | Drug Metabolism and Disposition 37 (5), 937-945 (2009)                 | 2009 | US      | Phenyl | 5um, 50 x 2.1  |
| AP1262 | Extraction of carcinogenic aromatic amines from aqueous solution using calix[n]arene derivatives as carrier                                                                                                                 | S. Erdemir, M. Bahadir, M. Yilmaz                                                                                                                                                                       | Journal of Hazardous Materials 168, 1170-1176 (2009)                   | 2009 | Germany | C18    | 5um, 250 x 4.6 |
| AP1263 | Folate content of Norwegian and Swedish flours and bread analysed by use of liquid chromatography-mass spectrometry                                                                                                         | J. Patring, M. Wandel, M. Jagerstad, W. Frolich                                                                                                                                                         | Journal of Food Composition and Analysis, 22, 649-656 (2009)           | 2009 | Sweden  | C18    | 3um, 150 x 4.6 |
| AP1264 | Aflatoxins in bulk and pre-packed pistachios sold in Spain and effect of roasting                                                                                                                                           | Arino, M. Herrera, G. Estopanan, M.C. Rota, J.J. Carraminana, T. Juan, A. Herrera                                                                                                                       | Food Control 20, 811-814 (2009)                                        | 2009 | Spain   | C18    | 5um, 250 x 4.6 |
| AP1265 | Investigation of the protein fractions in goat milk with RP-HPLC to optimize the milk processing                                                                                                                            | O. Bara-Herczegh, J. Csanadi, G. Torok                                                                                                                                                                  | Analele Universitatii din Oradea, Fascicula Ecotoxicologie, (2009)     | 2009 | Hungary | C4-300 | 5um, 150 x 2.1 |
| AP1266 | Campothecin and khat ( <i>Catha edulis</i> Forsk.) induced distinct cell death phenotypes involving modulation of c-FLIP <sub>L</sub> , Mcl-1, procaspase-8 and mitochondrial function in acute myeloid leukemia cell lines | T. Bredholt, E. Dimba, H.R. Hagland, L. Wegeland, J. Skavland, K.O. Fossan, K.J. Tranter, A.C. Lehnemann                                                                                                | Molecular Cancer, 8, 101 (2009)                                        | 2009 | Norway  | Phenyl | 3um, 50 x 2.1  |
| AP1267 | Comparative flavan-3-ol profile and antioxidant capacity of roasted peanut, hazelnut and almond skins                                                                                                                       | M. Monagas, I. Garrido, R. Lebron-Aguilar, M. C. Gomez-Godinez, A. Bekasova, P. Y. Geffen, A. Nudelman, I. Gil-Ad, A. Rephaeli, M. Huang, K. Savitsky, L. Klapper, I. Winkler, H.Y. Meltzer, A. Weizman | J. Agric. Food Chem., 57 (22), 10590-10599 (2009)                      | 2009 | Spain   | C18    | 3um, 150 x 4.6 |
| AP1268 | BL-1020: A novel antipsychotic drug with GABAergic activity and low catalepsy, is efficacious in a rat model of Schizophrenia                                                                                               | Ad, A. Rephaeli, M. Huang, K. Savitsky, L. Klapper, I. Winkler, H.Y. Meltzer, A. Weizman                                                                                                                | European Neuropsychopharmacology, 19, 1-13 (2009)                      | 2009 | Israel  | C18    | 5um, 150 x 4.0 |
| AP1269 | Discovery of 2-(4-[(3S)-piperidin-3-yl]phenyl)-2H-indazole-7-carboxamide (MK-4827): a novel oral poly(ADP-ribose)polymerase (PARP) inhibitor efficacious in BRCA-1 and -2 mutant tumours                                    | P. Jones, S. Altamura, J. Boueres, F. Ferrigno, M. Fonsi, C. Giomini, S. Lamartina, E. Montecchi, J.M. Ostano, M.V. Santoro                                                                             | J. Med. Chem., 52, 7170-7185 (2009)                                    | 2009 | Italy   | C18    | 5um, 150 x 2.1 |
| AP1270 | Sorption of sulfonamides and tetracyclines to montmorillonite clay                                                                                                                                                          | D. Avisar, O. Primor, I. Gozlan, H. Mamane                                                                                                                                                              | Water Air Soil Pollut, Sept 2009                                       | 2009 | Israel  | C18    | 5um, 250 x 2.1 |
| AP1271 | Metabolism and excretion of an oral taxane analog, [ <sup>14</sup> C]3'-tert-butyl-3'-N-tert-butylloxycarbonyl-4-deacetyl-3'-N-debenzoyl-4-O-methoxy-paclitaxel (BMS-275183), in rats and dogs                              | V.T. Ly, J. Caceres-Cortes, D. Everett, S. N. Comezoglu                                                                                                                                                 | Drug Metabolism and Disposition, 37 (5), 1115-1128 (2009)              | 2009 | US      | C18    | 5um, 250 x 4.6 |
| AP1272 | Dietary predictors and plasma concentrations of perfluorinated compounds in a coastal population from Northern Norway                                                                                                       | C. Rylander, M. Brustad, H. Falk, T.M. Saandanger                                                                                                                                                       | Journal of Environmental and Public Health, 2009                       | 2009 | Sweden  |        |                |
| AP1273 | Novel liquid chromatographic determination of cystatin C in human urine                                                                                                                                                     | O.I.Y. Al-Musaïmi, M.K. Fayyad, A.K. Mishal                                                                                                                                                             | J. Chrom. B, 877, 747-756 (2009)                                       | 2009 | Jordan  | C8     | 5um, 150 x 4.6 |
| AP1274 | Comparison of microbiological assay and HPLC-UV for determination of fluconazole in capsules                                                                                                                                | K.M. Queiroz, M.M. Silva, N.D. Prado, P.M.A. Lima, R.D.L. Diniz, I.C. Cesar, G.A. Pianetti, D.A. Santos                                                                                                 | Brazilian Journal of Pharmaceutical Sciences, 45 (4), 693-700 (2009)   | 2009 | Brazil  | C18    | 5um, 150 x 4.6 |
| AP1275 | Determination of polycyclic aromatic nitrogen heterocycles in soil using liquid chromatography/tandem mass spectrometry                                                                                                     | R. Svabensky, M. Oravec, Z. Simek                                                                                                                                                                       | Int. J. Environ. Anal. Chem., 89 (3), 167-181 (2009)                   | 2009 | Czech   | C18    | 5um, 250 x 4.6 |

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| AP1276 | Characterization of a new bioactive peptide from Potamotrygon gr. Orbignyi freshwater stingray venom                                                                     | K. Conceicao, J.M. Santos, F.M. Bruni, C.F. Klitzke, E.E. Marques, M.H. Borges, R.L. Melo, J.H. Fernandez, M. Lopes- | Peptides, 30, 2191-2199 (2009)                                  | 2009 | Brazil  | C18                 | 5um, 250 x 4.6 |
| AP1277 | A study of the relative importance of lipophilic, p-p and dipole-dipole interactions on cyanopropyl, phenyl and alkyl LC phases bonded onto the same base silica         | C. Markopoulou, T. Tweedie, D. Watson, G. Skellern, H. Reda, P. Petersson, H. Bradstock, M.                          | Chromatographia, 70, 705-715 (2009)                             | 2009 | UK      | CN, C4, C18, Phenyl | 150 x 4.6      |
| AP1278 | Expression and purification of SAK-fused human interferon alpha in <i>Escherichia coli</i>                                                                               | S. Salunkhe, B. Prasad, K. Sabnis-Prasad, A. Apte-Deshpande, S. Padmanabhan                                          | J. Microbial and Biochemical Technology, 1 (1) 5-10, (2009)     | 2009 | India   | C18                 | 5um, 250 x 4.6 |
| AP1279 | Development and validation of a dissolution test for telithromycin in coated tablets                                                                                     | L.C. Vaucher, C.S. Paim, A.D. Lange, L. Elfrides, E.S.                                                               | Quim. Nova, 32 (5), 1329-1333 (2009)                            | 2009 | Brazil  | C18                 | 5um, 250 x 4.6 |
| AP1280 | Screening, quantification and confirmation of phenylbutazone and oxyphenbutazone in equine plasma by liquid chromatography-tandem mass spectrometry                      | Y. You, C.E. Uboh, L.R. Soma, F. Guan, X. Li, J.A. Rudy, J. Chen                                                     | J. Anal. Toxicol. 33, Jan/Feb 2009                              | 2009 | US      | C8                  | 5um, 75 x 2.1  |
| AP1281 | On-line determination of cyclophosphamide in blood sample utilizing microextraction by packed sorbent and liquid chromatography tandem mass spectrometry (MEPS-LC-MS/MS) | M. Kamel, R. Said, A. Elbeqqali, F. Bassyouni, M Abdel-Rehim                                                         | The Open Spectroscopy Journal, 3, 26-30 (2009)                  | 2009 | sweden  | C18                 | 3um, 100 x 2.1 |
| AP1282 | Extraction and determination of trinitrotoluenes and products of their biotransformation in soil samples                                                                 | J. Becanova, Z. Friedl, Z. Simek                                                                                     | Intern. J. Environ. Anal. Chem., 89 (8-12), 785-797 (2009)      | 2009 | Czech   | C18                 | 3um, 250 x 2.1 |
| AP1283 | Pharmacokinetics of intrarectal omeprazole in alpacas                                                                                                                    | T. Marmulak, S. Stanley, P.H. Kass, V. Wiebe, D. McKemie, N.                                                         | J. Vet. Pharmacol. Therap., 33, 371-375 (2009)                  | 2009 | US      | C18                 | 3um, 100 x 2.1 |
| AP1284 | Structural studies on minor enniatins from <i>Fusarium</i> sp. V1 03441: Novel N-methyl-threonins containing enniatins                                                   | S. Uhlig, L. Ivanova, D. Petersen, R. Kristensen                                                                     | Toxicon, 53, 734-742 (2009)                                     | 2009 | Norway  | C18                 | 5um, 250 x 10  |
| AP1285 | A comparison of the pharmacokinetics of perfluorobutanesulphonate (PFBS) in rats, monkeys and humans                                                                     | G.W. Olsen, S. Chang, P.E. Noker, G.S. Gorman, D.J. Ehresman, P.H. Lieder, J.L.                                      | Toxicology 256, 65-74 (2009)                                    | 2009 | US      | C18                 | 5um, 100 x 2.1 |
| AP1286 | Kinetic and stoichiometry of the reaction of chlorogenic acid and its alkyl esters against the DPPH radical                                                              | L.J. Lopez-Giraldo, M. Laguerre, J. Lecomte, M. Figueroa-Espinosa, B. Barea, J. Weiss                                | J. Agric. Food Chem., 57, 863-870 (2009)                        | 2009 | US      | C18                 | 3um, 50 x 2.1  |
| AP1287 | Selective HPLC quantification of promethazine hydrochloride and its degradation products in presence of sodium benzoate                                                  | E.M. Abdel-Moety, H.M. Lotfy, E.G. Nouman                                                                            | Saudi Pharmaceutical Journal, 17 (2), 161-1169 (2009)           | 2009 | udi Ara | C8                  | 5um, 150 x 4.6 |
| AP1288 | An improved method for assessing relative nucleophilic substitution reactivities of polychlorinated benzenes                                                             | Y. Qiu, J. Eriksson, L. Granelli, A. Bergman                                                                         | Chemosphere, 75, 78-82 (2009)                                   | 2009 | China   | C18                 |                |
| AP1289 | Use of liquid chromatography/tandem mass spectrometric molecular fingerprinting for the rapid structural identification of pharmaceutical impurities                     | M.Li, X. Wang, B. Chen, M. Lin, A.V. Buevich, T. Chan, A.M. Rustum                                                   | Rapid Communications in Mass Spectrometry, 23, 3533-3542 (2009) | 2009 | US      | C18                 | 3um, 150 x 4.6 |
| AP1290 | Development and validation of a stability-indicating RP-HPLC method for assay of alphas-methylpiperazine and estimation of its related compounds                         | K.P. Xiao, F.Z. Liu, Y. Xiong, A.M. Rustum                                                                           | Journal of Chromatographic Science, 47, 378-386 (2009)          | 2009 | US      | C18                 | 3um, 150 x 4.6 |
| AP1291 | Patterns of resource use by milkweed insects in Sinai                                                                                                                    | S.M. Elbanna, S.M. Zalut, F. Gilbert, S. Elliott, D.M. Shuker                                                        | Egyptian Journal of Biology, 11, 58-70 (2009)                   | 2009 | Egypt   | C18                 |                |
| AP1292 | Determination of individual homologues and total content of benzalkonium chloride by reversed-phase high-performance liquid chromatography using a short butyl column    | F. Liu, K.P. Xiao, A.M. Rustum                                                                                       | J. of AOAC Int., 92 (6), 1644-1651 (2009)                       | 2009 | US      | C4                  | 5um, 50 x 4.6  |
| AP1293 | Robustness evaluation of the chromatographic method for the quantitation of lumefantrine using Youden's test                                                             | I. da costa Cesar, G.A. pianetti                                                                                     | Braz. J. Pharm. Sci., 45 (2), 235-240 (2009)                    | 2009 | Brazil  | C18                 | 5um, 250 x 4.6 |
| AP1294 | Photochemical decomposition of dissolved hydroxylated polybrominated diphenyl ethers under various aqueous conditions                                                    | P.M. Bastos, J. Eriksson, A. Bergman                                                                                 | Chemosphere, 77, 791-797 (2009)                                 | 2009 | Sweden  | C18                 | 5um, 250 x 4.6 |
| AP1295 | Roles of rat renal organic anion transporters in transporting perfluorinated carboxylates with different chain lengths                                                   | Y.M. Weaver, D.J. Ehresman, J.L. Butenhoff, B. Hagenbuch                                                             | Toxicological Sciences 113 (2), 305-314 (2010)                  | 2010 | US      | C18                 | 5um, 100 x 2.1 |
| AP1296 | Chromatographic behaviour of ionic liquid cations in view of quantitative structure-retention relationship                                                               | M. Molikova, M.J. Markuszewski, R. Kalisz, P. Jandera                                                                | J. Chrom. A, 1217, 1305-1312 (2010)                             | 2010 | Poland  | C18                 | 5um, 150 x 4.6 |
| AP1297 | Synthesis, characterization and free radical scavenging properties of rosmarinic acid fatty esters                                                                       | J. Lecomte, L.J.L. Giraldo, M. Laguerre, B. Barea, P.                                                                | J. Am. Oil Chem. Soc., 2010                                     | 2010 | France  | C18                 | 5um, 250 x 4.6 |
| AP1298 | Pharmacokinetic profile in relation to anaesthesia characteristics after a 5% micellar microemulsion of propofol in the horse                                            | P. Boscan, M.L. Rezende, K. Grimsrud, S.D. Stanley, K.R.                                                             | British Journal of Anaesthesia, (2010)                          | 2010 | US      | C18                 | 3um, 100 x 2.1 |

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| AP1299 | Changes in chemical constituents and polyphenol oxidase activity of tea leaves with shoot maturity and cold storage                                                                                                                                | H. Olmez, A. Yilmaz                                                                                                                          | Journal of Food Processing and Preservation, 34, 653-665 (2010) | 2010 | Turkey  | C18     | 5um, 250 x 4.6 |
| AP1300 | A single RP-HPLC method for the determination of benzalkonium chloride and its potential impurities in benzalkonium chloride raw material                                                                                                          | M. Santos, M. Li, A.M. Rustum                                                                                                                | Chromatographia, Jan 2010                                       | 2010 | US      | C8      | 3um, 50 x 4.6  |
| AP1301 | Discovery of dipeptides with high affinity to the specific binding site for Substance P <sub>1-7</sub>                                                                                                                                             | R. Fransson, M. Botros, C. Skold, F. Nyberg, G. Lindeberg, M. Hallberg, A. Sandstrom                                                         | J. Med. Chem. 2010, 53 (6) 2383-9                               | 2010 | Sweden  | C18     | 5um, 50 x 4.6  |
| AP1302 | Development and validation of a stability-indicating RP-HPLC method for assay of betamethasone and estimation of its related compounds                                                                                                             | Q. Fu, M. Shou, D. Chien, R. Markovich, A.M. Rustum                                                                                          | J. Pharm. and Biomed. Anal., 51, 617-625 (2010)                 | 2010 | US      | C18     | 3um, 150 x 4.6 |
| AP1303 | The positively charged region of the myosin IIC non-helical tailpiece promotes filament assembly - correction update available                                                                                                                     | D. Ronen, M.M. Rosenberg, D.E. Shalev, M. Rloenberg, S. Rotem,                                                                               | J. Biol. Chem., 285, 7079-7086 (2010)                           | 2010 | Israel  | C8      | (semi-prep?)   |
| AP1304 | A validated method for analysis of Swerchirin in <i>Swertia longifolia</i> Boiss. By high performance liquid chromatography                                                                                                                        | M. Shekarchi, H. Hajimehdipoor, M. Khanavi, N. Adib, M.                                                                                      | Pharmacognosy Magazine, 6 (21), 13-18 (2010)                    | 2010 | Iran    | C18     | 5um, 250 x 4.6 |
| AP1305 | Determination of ramipril in pharmaceutical preparations by high performance liquid chromatography                                                                                                                                                 | B. Yilmaz                                                                                                                                    | Int. J. Pharm. Sci. Review and Research, 1(1), 39-42 (2010)     | 2010 | Turkey  | C18     | 5um, 250 x 4.6 |
| AP1306 | The retention behaviour of loratadine and its related compounds in ion pair reversed phase HPLC                                                                                                                                                    | J. Lu, Y. Wei, R. Markovich, A. Rustum                                                                                                       | J. Liq. Chrom & rel Techniques, 33 (5), 603-614 (2010)          | 2010 | US      | C18     | 3um, 150 x 4.6 |
| AP1307 | Reverse phase HPLC method for determination of neбиволol in pharmaceutical preparations                                                                                                                                                            | B. Yilmaz                                                                                                                                    | Int. J. Pharm. Sci. Review and Research, 1(2), 14-17 (2010)     | 2010 | Turkey  | C18     | 5um, 250 x 4.6 |
| AP1308 | Comparative bioavailability of a generic and two compounded naproxen sodium suspensions administered to rats                                                                                                                                       | L.G. da Silva Solon, G.B.C. Guerra, A.A. de Ataujo, J.M. Barichello, J. Perez-Urizar,                                                        | J. Bioanal. and Biomedicine, 2 (2), 48-54 (2010)                | 2010 | Brazil  | C18     | 5um, 150 x 4.6 |
| AP1309 | An LC-ESI/MS method for determining theanine in green tea dietary supplements                                                                                                                                                                      | M. Bedner, L.C. Sander, K.E. Sharpless                                                                                                       | Anal. Bioanal. Chem., 397 (5), 1773-1777 (2010)                 | 2010 | US      | C18     | 3um, 150 x 3.0 |
| AP1310 | Changes of contents of polyphenols and vitamin A of organic and conventional fresh and dried apricot cultivars ( <i>Prunus armeniaca</i> L.)                                                                                                       | T. Kan, S.Z. Bostan                                                                                                                          | World Journal of Ag. Sci. 6 (2), 120-126 (2010)                 | 2010 | Turkey  | C18     | 5um, 250 x 4.6 |
| AP1311 | The cyclotide cycloviolacin O2 from <i>Viola odorata</i> has potent bactericidal activity against gram-negative bacteria                                                                                                                           | M. Pranting, C. Loov, R. Burman, U. Goransson, D.I.                                                                                          | J. Antimicrob. Chemother. 2010                                  | 2010 | Sweden  | C18-300 | 5um, 250 x 10  |
| AP1312 | Aspects of the 'Design Space' in high pressure liquid chromatography method development                                                                                                                                                            | I. Molnar, H.J. Rieger, K.E. Monks                                                                                                           | J. Chrom. A, 1217, 3193-3200 (2010)                             | 2010 | Germany | C18     | 3um, 150 x 4.6 |
| AP1313 | Investigation of an amoxicillin oxidative degradation product formed under controlled environmental conditions                                                                                                                                     | I. Gozlan, A. Rotstein, D. Avisar                                                                                                            | Environ. Chem., 7, 435-442 (2010)                               | 2010 | Israel  | Phenyl  | 5um, 250 x 2.1 |
| AP1314 | Isochafetoside, a C-glycosylflavonoid from <i>Desmodium uncinatum</i> root exudates, is an allelochemical against the development of <i>Striga</i>                                                                                                 | A.M. Hooper, M.K. Tsanuo, K. Chamberlain, K. Titcomb, J. Scholes, A. Hassanali, Z.R.                                                         | Phytochemistry, 71, 904-908 (2010)                              | 2010 | UK      | C18     | 5um, 250 x 10  |
| AP1315 | A photochemical study of diclofenac and its major transformation products                                                                                                                                                                          | J. Eriksson, J. Svanfelt, L. Kronberg                                                                                                        | Photochemistry and Photobiology, 86, 528-532 (2010)             | 2010 | Finland | Phenyl  | 5um, 250 x 3.0 |
| AP1316 | A single-dose pharmacokinetic study of emamectin benzoate in cod, <i>Gadus morhua</i> L., held in sea water at 9° C                                                                                                                                | O.B. Samuelson                                                                                                                               | Journal of Fish Diseases, 33, 137-142 (2010)                    | 2010 | Norway  | C18     | 3um, 150 x 4.6 |
| AP1317 | Glutathione pathway in ethylbenzene metabolism: Novel biomarkers of exposure in the rat                                                                                                                                                            | B. Cossec, F. Cosnier, M. Burgart, H. Nunge, S.                                                                                              | Chemosphere, 81, 1334-1341 (2010)                               | 2010 | France  | C18-AR  |                |
| AP1318 | High sensitivity method for determination of tetrabromobisphenol-S and tetrabromobisphenol-A derivative flame retardants in Great Lakes herring gull eggs by liquid chromatography - atmospheric pressure photoionization-tandem mass spectrometry | R.J. Letcher, S. Chu                                                                                                                         | Environ. Sci. Technol., 44, 8615-8621 (2010)                    | 2010 | Canada  | C18     | 3um, 50 x 2.1  |
| AP1319 | Development and validation of spectrophotometric and high performance column liquid chromatographic methods for the simultaneous determination of dienogest and estradiol valerate in pharmaceutical preparations                                  | M.G. Caglayan, I.M. Palabiyik, F. Onur                                                                                                       | J. of AOAC Int., 93 (3), 862-868 (2010)                         | 2010 | Turkey  | C8      | 5um, 250 x 4.6 |
| AP1320 | Pharmacokinetics and pharmacodynamics of LCZ696, a novel dual-acting angiotensin receptor-neprilysin inhibitor (ARNi)                                                                                                                              | J. Gu, A. Noe, P. Chandra, S. Al-Fayoumi, M. Ligueros-Saylan, R. Sarangapani, S. Maahs, G. ksander, D.F. Rigel, A.Y. jeng, T. Lin, W. Zheng, | J. Clin. Pharmacol., 50, 401-414 (2010)                         | 2010 | US      | C18     | 5um, 50 x 2.1  |

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| AP1321 | Elevation of sulfatides in ovarian cancer: An integrated transcriptomic and lipidomic analysis including tissue-imaging mass spectrometry                                                                                                                                                   | Y. Liu, Y. Chen, A. Momin, R. Shaner, E. Wang, N.J. Bowen, L.V. Matyunina, L.D. Walker, J.F. McDonald, M.C. Sullards, A.H. Merrill | Molecular Cancer, 9, 186, (2010)                                  | 2010 | US      | C18    | 5um, 20 x 2.1   |
| AP1321 | The development of dry plasma spot analysis and a comparison with dry blood spots and conventional plasma bioanalysis using methylene blue                                                                                                                                                  | S. Brookes, K. Woodmansey, I. Love                                                                                                 | Chromatography Today, 36-39 (May/June 2010)                       | 2010 | UK      | AQ     | 3um, 30 x 2.1   |
| AP1323 | Pharmacokinetic profile and behavioral effects of gabapentin in the horse                                                                                                                                                                                                                   | R.L. Terry, S.M. McDonnell, A.W. van EPS, L.R. Soma, Y. Liu, C.E. Uboh, P.J. Moate, B.                                             | Veterinary Pharmacology and Therapeutics, 33, 485-494 (2010)      | 2010 | US      | C18    | 5um, 75 x 2.1   |
| AP1324 | Therapeutic evaluation of free and liposome-loaded furazolidone in experimental visceral leishmaniasis                                                                                                                                                                                      | A.G. Tempone, R.A. Mortara, H.F. de Andrade Jr, J.Q. Reimao                                                                        | Int. J. Antimicrobial Agents, 36, 159-163 (2010)                  | 2010 | Brazil  | C18    | 5um, 250 x 4.6  |
| AP1325 | Multivariate optimization and validation of a capillary electrophoresis method for the simultaneous determination of dextromethorphan hydrobromur, phenylephrine hydrochloride, paracetamol and chlorpheniramine maleate in a pharmaceutical preparation using response surface methodology | I.M. Palabiyik, F. Onur                                                                                                            | Anal. Sci. 26, 853-859 (2010)                                     | 2010 | Turkey  | C18    | 5um, 250 x 4.6  |
| AP1326 | A validated high performance liquid chromatography method for the analysis of thymol and carvacrol in <i>Thymus vulgaris</i> L. volatile oil                                                                                                                                                | H. Hajimehdipoor, M. Shekarchi, M. Khanavi, N. Adib, M. Amri                                                                       | Pharmacognosy Magazine, 6 (23), 154-158 (2010)                    | 2010 | Iran    | C18    | 5um, 250 x 4.6  |
| AP1327 | L-Valine ester of cyclopropavir - a new antiviral prodrug                                                                                                                                                                                                                                   | Z. Wu, J.C. drach, M.N. Prichard, M. Yanachkova, T.L. Bowlin, J. Zemlicka                                                          | Antivir. Chem. Chemother. 20(1), 37-46 (2010)                     | 2010 | US      | C18    | 5um, 150 x 4.6  |
| AP1328 | pH induced polychromatic UV treatment for the removal of a mixture of SMX, OTC and CIP from water                                                                                                                                                                                           | D. Avisar, Y. Lester, H. Mamane                                                                                                    | J. Hazardous Materials, 175, 1068-1074 (2010)                     | 2010 | Israel  | C18    | 5um, 250 x 2.1  |
| AP1329 | Inorganic and organic solutes in apoplastic and symplastic spaces contribute to osmotic adjustment during leaf rolling in <i>Ctenanthe setosa</i>                                                                                                                                           | A. Saglam, R. Terzi, H. Nar, N. Saruhan, F.A. Ayaz, A. Kadioglu                                                                    | Acta Biologica Cracoviensia Series Botanica 52 (1), 37-44 (2010)  | 2010 | Turkey  | C18    | 10um, 250 x 4.6 |
| AP1330 | Simultaneous determination of preservatives (sodium benzoate and potassium sorbate) in soft drinks and herbal extracts using high performance liquid chromatography (HPLC)                                                                                                                  | R. Khosrokhavar, N. Sadeghzadeh, M. Amini, M. Ghazi-Khansari, R. Hajjaghadee,                                                      | J. Med. Plants, 9 (35), 80-87 (2010)                              | 2010 | Iran    | C18    | 5um, 250 x 4.6  |
| AP1331 | Degradation studies of highly potent and life threatening human birth defect drug - lenalidomide by HPLC and LC-MS                                                                                                                                                                          | N.R. Raghu, Y.R. Reddy, V. Naresh, V. Suryanarayana, L.K.                                                                          | J. Liquid Chrom. And Related Technologies, 33 (5), 654-679 (2010) | 2010 | India   | C18    | 3um, 150 x 4.6  |
| AP1332 | Structural and biochemical characterization of peroxiredoxin Q $\beta$ from <i>Xylella fastidiosa</i>                                                                                                                                                                                       | B.B. Horta, M.A. de Oliviera, K.F. Discola, J.R.R. Cussiol,                                                                        | J. Biol. Chem., 285 (21), 16051-16065 (2010)                      | 2010 | Brazil  | C18-HL | 5um, 150 x 3.0  |
| AP1333 | Determination of ibuprofen in rabbit plasma by high-performance liquid chromatography                                                                                                                                                                                                       | B. Yilmaz, A. Ascı, S.S. Palabiyik                                                                                                 | Kafkas Univ. Vet. Fak. Derg., 16 (6), 1005-1010 (2010)            | 2010 | Turkey  | C18    | 5um, 250 x 4.6  |
| AP1334 | HPLC method for determination of disulfiram in pharmaceutical preparations                                                                                                                                                                                                                  | B. Yilmaz, M. Cetin, S.S. Palabiyik, A. Ascı                                                                                       | Alfa Universal, 1 (2), 79-86 (2010)                               | 2010 | Turkey  | C18    | 5um, 250 x 4.6  |
| AP1335 | A stability-indicating reversed-phase high performance liquid chromatography method for simultaneous assay of two corticosteroids and estimation of their related compounds in a pharmaceutical injectable formulation                                                                      | J. Lu, Y. wei, A.M. Rustum                                                                                                         | J. Chrom. A, 1217, 6932-6941 (2010)                               | 2010 | US      | C18    | 3um, 150 x 4.6  |
| AP1336 | Quantitative determination of BAF312, a S1P-R modulator, in human urine by LC-MS/MS: prevention and recovery of lost analyte due to container surface adsorption                                                                                                                            | W. Li, S. Luo, H.T. Smith, F.L.S. Tse                                                                                              | J. Chrom. B, 878, 583-589 (2010)                                  | 2010 | US      | C18    | 5um, 50 x 4.6   |
| AP1337 | Absorption, distribution, metabolism and excretion of ticagrelor in healthy subjects                                                                                                                                                                                                        | R. Teng, S. Oliver, M.A. Hayes, K. Butler                                                                                          | Drug Metabolism and Disposition, 38 (9), 1514 (2010)              | 2010 | Sweden  | C18    | 3um, 150 x 4.6  |
| AP1338 | Determinants of plasma PFOA and PFOS levels among 652 Danish men                                                                                                                                                                                                                            | K.T. Eriksen, M. Sorensen, J.K. McLaughlin, A. Tjonneland, K.                                                                      | Environ. Sci. Technol. 45, 19, 8137 - 8143 (2010)                 | 2010 | Denmark | C18    | 5um, 100 x 2.1  |
| AP1339 | Effect of antacids on the pharmacokinetics of raltegravir in human immunodeficiency virus-seronegative volunteers                                                                                                                                                                           | J.K. Kiser, J.B. Bumpass, A.L. Meditz, P.L. Anderson, L. Bushmn, M. Ray, J.A. Predhomme, J. Rower, S.                              | Antimicrobial Agents and Chemotherapy, 4999-5003 (2010)           | 2010 | US      | C18    | 3um, 50 x 2.1   |
| AP1340 | Effect of temperature, wavelength, pH, ion pair reagents and organic modifiers' concentration on the elution of cystatin C. Stability of mobile phase                                                                                                                                       | M.K. Fayyad, A.K. Misha, O.I. Y. Al-Musaimi                                                                                        | J. Anal. And Bioanal. Techniques, 1 (2010)                        | 2010 | Jordan  | C8     | 5um, 150 x 4.6  |



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| AP1341 | Evaluation of the relationship between a pharmaceutical compound's distribution coefficient, log D and adsorption loss to polypropylene in urine and CSF                                     | E.P. Kadar, Y. Su, Y. Zhang, J. Tweed, C.E. Wujcik                                                                            | Bioanalysis, 2 (4), 755-767 (2010)                                   | 2010 | US          | C18    | 3um, 30 x 2.1  |
| AP1342 | Peptides derived from the HIV-1 integrase promote HIV-1 infection and multi-integration of viral cDNA in LEDGF/p75-positive cells                                                            | A. Levin, Z. Hayouka, A. Friedler, A. Loyter                                                                                  | Virology Journal, 7, 177 (2010)                                      | 2010 | Israel      | C8     |                |
| AP1343 | Temporal trends and pattern of polyfluoroalkyl compounds in tawny owl ( <i>Strix aluco</i> ) eggs from Norway, 1986-2009                                                                     | L. Ahrens, D. Herzke, S. Huber, J.O. Bustnes, G. Bangjord, R. Ebinghaus                                                       | Environmental Science and Technology, 2010                           | 2010 | Norway      | C18    | 3um, 150 x 2.1 |
| AP1344 | Analysis of thyroid hormones in raw and treated waste water                                                                                                                                  | J. Svanfelt, J. Eriksson, L. Kronberg                                                                                         | J. Chrom. A, 1217, 6469-6474 (2010)                                  | 2010 | Finland     | Phenyl | 5um, 125 x 2.1 |
| AP1345 | Analysis, distribution and dietary exposure of glyoxal and methylglyoxal in cookies and their relationship with other heat-induced contaminants                                              | G. Arribs-Lorenzo, F.J. Morales                                                                                               | J. Agric. Food Chem., 58, 2966-2972 (2010)                           | 2010 | Spain       | C18    | 5um, 250 x 4.6 |
| AP1346 | Africanized honey bee ( <i>Apis mellifera</i> ) venom profiling: Seasonal variation of melittin and phospholipase A2 levels                                                                  | R.S.Ferreira Jnr, J.M. Sciani, R. Marques-Porto, A.Lourenco Jnr, R. Orsi, B. Barraviera, D.C.                                 | Toxicon, 56, 355-362 (2010)                                          | 2010 | Brazil      | C8-300 | 3um, 100 x 2.1 |
| AP1347 | The relation between treatment outcome and efavirenz, atazanavir or lopinavir exposure in the NORTHIV trial of treatment-naïve HIV-1 infected patients                                       | F. Josephson, M.C.H. Andersson, L. Flamholz, M. Gisslen, L. Hagberg, V. Ormaasen, A. Sonnerborg, J. Vesterbacka, Y.           | Eur. J. Clin. Pharmacol., 66, 349-357 (2010)                         | 2010 | Sweden      | C18    | 3um, 50 x 3.0  |
| AP1348 | Design and synthesis of potent and selective BACE-1 inhibitors                                                                                                                               | C. Bjorklund, S. pscarson, K. Benkenstock, N. Borkakoti, K. Jansson, J. Lindberg, L. Vrang,                                   | J. Med. Chem., 53, 1458-1464 (2010)                                  | 2010 | Sweden      | C8     | 3um, 50 x 3.0  |
| AP1349 | Variability of phenolics, $\alpha$ -tocopherol and amygdalin contents of selected almond ( <i>Prunus amygdalus batsch.</i> ) genotypes                                                       | A.N. Yildirim, B. San, F. Koyuncu, F. Yildirim                                                                                | Journal of Food, Agriculture & Environment 8 (1), 76-79 (2010)       | 2010 | Turkey      | C18    | 5um, 250 x 4.6 |
| AP1350 | A controlled and sustained local gentamicin delivery system for inner ear applications                                                                                                       | L. Xu, J. Heldrich, H. Wang, T. Yamashuta, S. Miyamoto, A. Li, C.E. Uboh, Y. You, D. Bigelow, M. Ruckenstein, B. O'Malley, D. | Otology and Neurotology, 2010                                        | 2010 | US          | C18    | 5um, 75 x 2.1  |
| AP1351 | Validated high-performance liquid chromatographic method for the determination of lamotrigine in human plasma and saliva                                                                     | T. Inceciayir, I. Agabeyoglu                                                                                                  | Turk. J. Pharm. Sci., 7 (3), 213-224 (2010)                          | 2010 | Turkey      | C18    | 5um, 250 x 4.6 |
| AP1352 | High performance liquid chromatographic and first derivative of the ratio spectrophotometric determination of amlodipine and valsartan in their binary mixtures                              | D. Kul, B. Dogan-Topal, T. Kutucu, B. Uslu, S.A. Ozkan                                                                        | Journal of AOAC International, 93 (3), 882-890 (2010)                | 2010 | Turkey      | C18    | 5um, 150 x 4.6 |
| AP1353 | In vitro and in vivo characterization of novel <sup>18</sup> F-labelled bombesin analogues for targeting GRPR-positive tumours                                                               | L. Mu, M. Honer, J. Becaud, M. Martic, P.A. Schubiger, S.M. Ametamey, T. Stalfeld, K.                                         | Bioconjugate Chem., 21, 1864-1871 (2010)                             | 2010 | Switzerland | C18    | 3um, 50 x 4.6  |
| AP1354 | Determination of cisplatin 1,2-intrastrand guanine-guanine DNA adducts in human leukocytes by high-performance liquid chromatography coupled to inductively coupled plasma mass spectrometry | C.F. Harrington, R.C. Le Pla, G.D.D. Jones, A.L. Thomas, P.B. Farmer                                                          | Chem. Res. Toxicol., 23, 1313-1321 (2010)                            | 2010 | UK          | C8     | 5um, 250 x 4.6 |
| AP1355 | LC/MS/MS study for identification of entacapone degradation product obtained by photodegradation kinetics                                                                                    | C.S. Paim, E.C. Palma, M.D. Malesuik, M. Steppe                                                                               | Journal of AOAC International, 93 (5), (2010)                        | 2010 | Brazil      | C18    | 5um, 250 x 4.6 |
| AP1356 | The fate of Gd and chelate following intravenous injection of gadodiamide in rats                                                                                                            | G.M. Kindberg, S. uran, G. Friisk, I. Martinsen, T. Skotland                                                                  | Eur. Radiol., 20, 1636-1643 (2010)                                   | 2010 | Norway      | AQ     | 3um, 150 x 4.0 |
| AP1357 | Synthesis of tritium labelled (R,R)-4-methoxyfenoterol                                                                                                                                       | J.A. Kozocas, J.E. Bupp, M.J. Tanga, J.T. Pluhar, I.W. Wainer                                                                 | J. Labelled Comp. Radiopharm. 53 (2), 68-72 (2010)                   | 2010 | US          | C18    | 5um, 100 x 4.6 |
| AP1358 | Determination of metoprolol in rabbit plasma by high-performance liquid chromatography with fluorescence detection                                                                           | B. Yilmaz                                                                                                                     | Analytical Chemistry - An Indian Journal, 9 (1), 17-21 (2010)        | 2010 | Turkey      | C18    | 5um, 250 x 4.6 |
| AP1359 | Development of a dissolution test for lamotrigine in tablet form using an ultraviolet method                                                                                                 | M.T. Martins, C.S. Paim, M. Steppe                                                                                            | Brazilian Journal of Pharmaceutical Sciences, 46 (2), 170-182 (2010) | 2010 | Brazil      | C18    | 5um, 150 x 4.6 |
| AP1360 | Identification of a novel melittin isoform from Africanized <i>Apis mellifera</i> venom                                                                                                      | J.M. Scianti, R. Marques-Porto, A.L. Junior, R. de Oliveira Orsi, R.S. Ferriera Junior, B. Barraviera, D.C. Pimenta           | Peptides, 31, 1473-1479 (2010)                                       | 2010 | Brazil      | C8-300 | 3um, 100 x 2.1 |
| AP1361 | 5-Dimensional retention modeling of gradient time, ternary solvent-strength and temperature of the reversed-phase gradient liquid chromatography of a complex mixture of 22 basic and        | M.R. Euerby, G. Schad, H. Rieger, I. Molnar                                                                                   | Chromatography Today, 13-20, December 2010                           | 2010 | UK          | C18    | 3um, 150 x 4.6 |

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| AP1362 | Relative bioavailability of two formulations of venlafaxine extended-release 75mg capsules in healthy Brazilian male volunteers: A single-dose, randomized-sequence, open-label, two-period crossover study in the fasting and fed states | J. Filho, F. Bonifacio, D. Bedor, V. Ramos, C. de Sousa, L. sardon, T. Goncalves, R. Moreira, L. Leal, D. de Santana | Clinical Therapeutics, 32 (12), 2088-2096 (2010)                | 2010 | Brazil     | C8      | 5um, 50 x 4.6  |
| AP1363 | Turbulent flow chromatography TFC-tandem mass spectrometry supporting in vitro/vivo studies of NCEs in high throughput fashion                                                                                                            | M. Verdirame, M. veneziano, A. Alfieri, A. di Marco, E. Mazzanti, R. B. Di                                           | J. Pharm. Biomed. Anal., 51, 834-841 (2010)                     | 2010 | Italy      | C18     | 5um, 50 x 4.6  |
| AP1364 | Perfluorinated compounds in infiltrated river Rhine water and infiltrated rain water in coastal dunes                                                                                                                                     | C. Eschauzier, J. Haftka, P. J. Stuyfzand, P. deVoogt                                                                | Poster                                                          | 2010 | etherlands | C18-300 | 3um            |
| AP1365 | Simultaneous determination of polyether ionophores, macrolides and lincosamides in hen eggs by liquid chromatography-electrospray ionization tandem mass spectrometry using a simple solvent extraction                                   | B.F. Spisso, R.G. Ferreira, M.U. Pereira, M.A. Monteiro, T.A. Cruz, R. P. da Costa, A.M.B. Lima, A.W. da Nobrega     | Analytica Chimica Acta, 682, 82-92 (2010)                       | 2010 | Brazil     | C18     | 3um, 50 x 2.1  |
| AP1366 | Species-specific metabolism of SGX523 by aldehyde oxidase and the toxicological implications                                                                                                                                              | S. Diamond, J. Boer, T.P. Maduskuie, N. Falahatpisheh, Y. Li, S. Yeleswaram                                          | Drug Metabolism and Disposition, 38 (8), 1277-1285 (2010)       | 2010 | USA        | C18     | 3um, 150 x 4.6 |
| AP1367 | Differential subcellular recruitment of monoacylglycerol lipase generates spatial specificity of 2-arachidonoyl glycerol signaling during axonal pathfinding                                                                              | E. Keimpeme, K. Barabas, Y.M. Morozov, G. Tortoriello, M. Torii, G. Cameron, Y. Yanagawa, M. Watanabe, K. Mackie, T. | J. Neuroscience, 30 (42), 13992-14007 (2010)                    | 2010 | UK         | C8      | 5um, 150 x 2.1 |
| AP1368 | Stress degradation studies and kinetic determinations of duloxetine enteric-coated pellets by HPLC                                                                                                                                        | P. Gomes, N.R. Wingert, C.S. Paim, E. Schapioval, M. Steppe                                                          | J. of AOAC Int, 93 (6), 1829-1835 (2010)                        | 2010 | Brazil     | C18     | 5um, 250 x 4.0 |
| AP1369 | Pilot survey of hen eggs consumed in the metropolitan area of Rio de Janeiro, Brazil, for polyether ionophores, macrolides and lincosamides residues                                                                                      | B.F. Spisso, M.U. Pereira, R.G. Ferreira, M.A. Monteiro, R. P. da Costa, T.A. Cruz, A.W. da                          | Food Additives and Contaminants: Part B, 3 (4), 212-219 (2010)  | 2010 | Brazil     | C18     | 3um, 50 x 2.1  |
| AP1370 | Thermally induced intramolecular oxygen migration of N-oxides in atmospheric pressure chemical ionization mass spectrometry                                                                                                               | X. Wang, M. Li, A.M. Rustum                                                                                          | Rapid Communications in Mass Spectrometry, 24, 2805-2811 (2010) | 2010 | US         | C8      | 3um, 150 x 4.6 |
| AP1371 | Possible mechanism for the foodweb transfer of covalently bound microcystins                                                                                                                                                              | J.L. Smith, K.L. Schulz, P.V. Zimba, G.L. Boyer                                                                      | Ecotoxicology and Environmental Safety, 73, 757-761 (2010)      | 2010 | US         | C18     |                |
| AP1372 | Screening for PFOS and PFOA in European air using passive samplers                                                                                                                                                                        | C. Chaemfa, J.L. Barber, S. Huber, K. Breivik, K.C. Jones                                                            | J. Environ. Monit., 12, 1100-1109 (2010)                        | 2010 | UK         | C18     | 3um, 150 x 2.1 |
| AP1373 | Impact of industrial processing and storage on major polyphenols and the antioxidant capacity of tropical highland blackberry ( <i>Rubus adenotrichus</i> )                                                                               | A. Gancel, A. Feneuil, O. Acosta, A.M. Perez, F. Vaillant                                                            | Food Research International, 2010                               | 2010 | France     | C18     | 3um, 125 x 2.1 |
| AP1374 | Profiling of lipids in Leishmania donovani using hydrophilic interaction chromatography in combination with Fourier transform mass spectrometry                                                                                           | L. Zheng, R. T'Kind, S. Decuypere, S. J. Von Freyend, G.H. Coombs, D.G. Watson                                       | Rapid Communications in Mass Spectrometry, 24, 2074-2082 (2010) | 2010 | UK         | C4      | 3um, 150 x 3.0 |
| AP1375 | In vitro anti-leukemic activity of the ethno-pharmacological plant <i>Scutellaria orientalis</i> ssp. <i>Carica</i> endemic to western Turkey                                                                                             | A. Ozmen, S. Madlener, S. Bauer, S. Krasteva, C. Vonach,                                                             | Phytomedicine: Int. J. Phytotherapy &                           | 2010 | Turkey     | C18     | 3um, 150 x 3.0 |
| AP1376 | Determination of deoxynivalenol in organic and conventional food and feed by sol-gel immunoaffinity chromatography and HPLC-UV detection                                                                                                  | C. Klinglmayr, K. Nobauer, E.Razzazi-Fazeli, M. Cichna-Markl                                                         | J. Chrom. B, 878, 187-193 (2010)                                | 2010 | Austria    | C18     | 3um, 150 x 2.1 |
| AP1377 | In vitro hepatic metabolism of cediranib, a potent vascular endothelial growth factor tyrosine kinase inhibitor: Interspecies comparison and human enzymology                                                                             | T. Schulz-Utermoehl, M Spear, C.R.J. Pollard, C. Pattison, H. Rolloson, S. Sarda, M. Ward, N.                        | Drug Metabolism and Disposition, 38 (10), 1688-1697 (2010)      | 2010 | UK         | AQ      | 5um, 150 x 4.6 |
| AP1378 | Combined NMR and LC-MS analysis reveals the metabonomic changes in <i>Salvia miltiorrhiza bunge</i> induced by water depletion                                                                                                            | H. Dai, C. Xiao, H. Liu, H. Tang                                                                                     | J. Proteome Research, 9, 1460-1575 (2010)                       | 2010 | China      | C18-HL  | 5um, 250 x 4.6 |
| AP1379 | Combined NMR and LC-DAD-MS analysis reveals comprehensive metabonomic variations for three phenotypic cultivars of <i>Salvia miltiorrhiza bunge</i>                                                                                       | H. Dai, C. Xiao, H. Liu, F. Hao, H. Tang                                                                             | J. Proteome Research, 9, 1565-1578 (2010)                       | 2010 | China      | C18-HL  | 5um, 250 x 4.6 |
| AP1380 | Brain serotonin transporter occupancy by oral sibutramine dosed to steady state: A PET study using 11C-DASB in healthy humans                                                                                                             | P.S. Talbot, S. Bradley, C.P. Clarke, K.O. Babalola, A.W. Philipp, G. Brown, A.W. McMahon, J.C. Matthews             | Neuropsychopharmacology, 35, 741-751 (2010)                     | 2010 | UK         | C18-HL  | 3um, 150 x 4.6 |

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| AP1381 | Gal d 6 is the second allergen characterized from egg yolk                                                                                                                                            | A. Amo, R. Rodriguez-perez, J. Blanco, J. Villota, S. Juste, I. Moneo, M.L. Caballero                                        | J. Agric. Food Chem., 58, 7453-7457 (2010)                                    | 2010 | Spain    | C4-300 | 5um, 250 x 4.6 |
| AP1382 | Quantitative determination of oxytocin receptor antagonist atosiban in rat plasma by liquid chromatography-tandem mass spectrometry                                                                   | V. Kannan, D. Gadamsetty, M. Rose, S. Maria, I. Mustafa, A. Khedkar, N. Dave, M. Arumugam, H. Iyer                           | J. Chrom B, 878, 1069-1076 (2010)                                             | 2010 | India    | C18    | 5um, 50 x 4.6  |
| AP1383 | A high performance liquid chromatographic assay for formoterol in bulk drug and its pharmaceutical dosage forms                                                                                       | S.A. Raju, M. Gousuddin, Sultanuddin, S. Manjunath                                                                           | International Journal of Biomedical and Advance Research, 2 (1), 18-24 (2010) | 2010 | India    | C8     | 5um, 150 x 4.6 |
| AP1384 | The antibacterial ent-eusynstyelamide B and eusynstyelamides D, E and F from Arctic Bryozoa <i>Tegella cf. spitzbergensis</i>                                                                         | M. Tadesse, J.N. Tabudravu, M. Jaspars, M. Strom, E. Hansen,                                                                 | Journal of Natural Products, 74 (4), 837-841 (2011)                           | 2011 | Norway   | C18-HL | 5um, 250 x 10  |
| AP1385 | Fluconazole-induced intoxication with phenytoin in a patient with ultra-high activity of CYP2C9                                                                                                       | A. Hellden, U. Bergman, K.E. Helligren, M. Masquelier, I.N. Remahl, I. Odar-Cederlof, M. Ramsjo, L. Bertilsson               | Eur. J. Clin. Pharmacol.66, 791-795 (2010)                                    | 2010 | Sweden   | C18    | 3um, 50 x 3.0  |
| AP1386 | Temporal trends of perfluorinated surfactants in Swedish peregrine falcon eggs ( <i>Falco peregrinus</i> ), 1974-2007                                                                                 | K.E. Holmstrom, A. Johansson, A. Bignert, P. Lindberg, U.                                                                    | Environ. Sci. Technol. 44, 4083-4088 (2010)                                   | 2010 | Sweden   | C18    | 3um, 150 x 2.1 |
| AP1387 | Characterisation of black ginseng abstract with acetyl- and butyrylcholinesterase inhibitory and antioxidant activities                                                                               | B.S. Yun, M.R. Lee, C.J. Oh, J.H. Cho, C.Y. Wang, L.J. Gu, E.K. Mo, C.K. Sung                                                | J. Ginseng Research, 34 (4), 348-354 (2010)                                   | 2010 | Korea    | C18    | 5um, 250 x 4.0 |
| AP1388 | Cooked blueberries: Anthocyanin and anthocyanidin degradation and their radical-scavenging activity                                                                                                   | C. Oliveira, L.F. Amaro, O. Pinho, I.M.P.L.V.O. Ferreira                                                                     | J. Agric. Food Chem., 58, 9006-9012 (2010)                                    | 2010 | Portugal | C18    | 5um, 250 x 4.6 |
| AP1389 | Selective $\alpha 7$ nicotinic acetylcholine receptor agonists worsen disease in experimental colitis                                                                                                 | S. Snoek, M.I. Verstege, E. Van der Zanden, N. Deeks, D.C. Bulmer, M. Skynner, K. Lee, A. Te Velde, G.E. Boeckxstaens,       | Brit. J. Pharmacol., 160, 322-333 (2010)                                      | 2010 | etherlan | C18    | 3um, 50 x 4.6  |
| AP1390 | Development and validation of a sensitive and rapid method to determine naratriptan in human plasma by LC-ESI-MS-MS: Application to a bioequivalence study                                            | M. Yadav, C. Patel, M. Patel, T. Mishra, G.A. Baxi, P. Singhal, P.S. Shrivastav                                              | J. Chrom. Sci., 49, 1-7 (2011)                                                | 2011 | India    | C18    | 5um, 50 x 2.1  |
| AP1391 | Study and development of reversed-phase HPLC systems for the determination of 2-imidaolines in the presence of preservatives in pharmaceutical preparations                                           | C.G. Antoniou, C.K. Markopoulou, M.G.Kouskoura, J.E. Koundourellis                                                           | J. AOAC Int., 94 (3), (2011)                                                  | 2011 | Greece   | C18    | 5um, 150 x 4.6 |
| AP1392 | Liquid chromatographic and spectrophotometric determination of diflucortolone valerate and isocanazole nitrate in creams                                                                              | E. Karacan, M.G. Caglayan, I.M. Palabiyik, F. Onur                                                                           | J. of AOAC Int., 94 (1), 128-135 (2011)                                       | 2011 | Turkey   | C18    | 5um, 250 x 4.6 |
| AP1393 | Ecdysteroids from <i>Chenopodium quinoa</i> Willd., an ancient Andean crop of high nutritional value (supplementary info available)                                                                   | S. Kumpun, A. Maria, S. Crouzet, N. Evrard-Todeschi, J.                                                                      | Food Chemistry, 125, 1226-1234 (2011)                                         | 2011 | Francee  | C18    | 5um, 150 x 4.6 |
| AP1394 | Pharmacokinetics of amantadine in cats                                                                                                                                                                | K.T. Siao, B.H. Pypendop, S.D. Stanley, J.E. Ilkiw                                                                           | J. Vet. Pharmacol. Therap. (2011)                                             | 2011 | US       | C18    | 3um, 100 x 2.1 |
| AP1395 | Water-to-air transfer of perfluorinated carboxylates and sulfonates in a sea spray simulator                                                                                                          | M. Reth, U. Berger, D. broman, I.T. Cousins, E.D. Nilsson, M.S. McLachlan                                                    | Environ. Chem., 8, 381-388 (2011)                                             | 2011 | Sweden   | C18    | 3um, 150 x 2.1 |
| AP1396 | Twenty years of temporal change in perfluoroalkyl sulfonate and carboxylate contaminants in herring gull eggs from the Laurentian Great Lakes                                                         | W.A. Gebbink, R.J. Letcher, C.E. Hebert, D.V.C. Weseloh                                                                      | J. Environ. Monit., 13, 3365-3372 (2011)                                      | 2011 | Canada   | C18    | 3um, 50 x 2.1  |
| AP1397 | Perfluoroalkyl carboxylates and sulfonates and precursors in relation to dietary source tracers in the eggs of four species of gulls (Larids) from breeding sites spanning Atlantic to Pacific Canada | W.A. Gebbink, R.J. Letcher, N.M. Burgess, L. Champoux, J.E. Elliott, C.E. Hebert, P. Martin, M. Waylnd, D.V.- C. Weseloh, L. | Environmental International, 37, 1175-1182 (2011)                             | 2011 | Canada   | C18    | 3um, 50 x 2.1  |
| AP1398 | Detection of oxytetracycline residue in infant formula by high performance liquid chromatography                                                                                                      | R. Khosrokhavar, M. Hosseini, S. Shoebi, B. Jannat                                                                           | Iranian J. Pharm. Res., 10(2), 221-224 (2011)                                 | 2011 | Iran     | C18    | 5um, 250 x 4.6 |
| AP1399 | Liquid chromatography/tandem mass spectrometry analysis of long-chain oxidation products of cardiolipin induced by the hydroxyl radical                                                               | E. Maciel, P. Domingues, M.R.M. Domingues                                                                                    | Rapid Commun. Mass Spectrom., 25, 316-326 (2011)                              | 2011 | Portugal | C18-AR | 3um, 150 x 1.0 |
| AP1400 | A validated stability-indicating liquid-chromatographic method for ranitidine hydrochloride in liquid oral dosage form                                                                                | N. Sharma, S.S. Rao, N.D.A. Kumar, P.S. Reddy, A.M. Reddy                                                                    | Scientia Pharmaceutica (2011)                                                 | 2011 | India    | C18    | 3um, 100 x 4.6 |

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| AP1401 | Pharmacokinetics of oxymorphone in cats                                                                                                                                               | K.T. Siao, B.H. Pypendop, S.D. Stanley, J.E. Ilkiw                                                                                                       | J. Vet. Pharmacol. Therap. (2011)                                                                   | 2011 | US          | C18         | 3um, 100 x 2.1 |
| AP1402 | A simple HPLC-UV method for the determination of lacosamide in human plasma                                                                                                           | Higuet, S. Dell'Aiera, L. Staelens, P. Boulanger, H. Boekens, S. Smith                                                                                   | Bioanalysis, 3 (22), 2515-2522 (2011)                                                               | 2011 | US          | C18-AR      | 3um, 150 x 2.1 |
| AP1403 | Drug product development and pharmacological evaluation of a sparingly soluble novel camptothecin analog for peroral administration                                                   | V. Nekkaanti, P. Karatgi, S. Paruchuri, R. Pillai                                                                                                        | Drug Delivery, 1-10 (2011)                                                                          | 2011 | India       | Phenyl      | 5um, 250 x 4.6 |
| AP1404 | Quantitation of glucosamine sulfate in plasma by HPLC-MS/MS after administration of powder for oral solution formulation                                                              | Cardosa, I.M. Mundim, L. Teixeira, K.R. rezende, E. Da Silva, S.A. Gomes, V.A. de Sousa, R.R. Bonfim, G.A. Pianetti                                      | Biomedical Chromatography, 26, 851-856 (2012)                                                       | 2011 | Brazil      | CN          | 5um, 150 x 4.6 |
| AP1405 | Pharmacokinetic and bioequivalence study evaluating a new paracetamol/caffeine formulation in healthy volunteers                                                                      | D.J. Liu, M. Kotler, S. Sharples                                                                                                                         | J. Bioequiv. Availability, 3 (11), 251-257 (2011)                                                   | 2011 | US          | C18         | 5um, 50 x 3.0  |
| AP1406 | Synthesis and biological evaluation of a polyglutamic acid-dopamine conjugate: A new antiangiogenic agent                                                                             | Satchi-Fainaro, H.M.I. Osborn, F. Greco                                                                                                                  | J. Med. Chem., (2011)                                                                               | 2011 | UK          | C18-300     | 5um, 250 x 4.6 |
| AP1407 | Impairment of nitric oxide system and delayed gastric emptying in low density lipoprotein receptor deficient female mice                                                              | A.B. Hale, S. Mukhopadhyay, K.M. Channon, K. Ravella                                                                                                     | Neurogastroenterology Motil., 23, 773-783 (2011)                                                    | 2011 | US          | C18         |                |
| AP1408 | Ergosedmine, a new peptide ergot alkaloid (ergopeptine) from the ergot fungus, Claviceps purpurea parasitizing Calamagrostis arundinacea                                              | S. Uhlig, D. Petersen, E. Rolén, W. Egge-Jacobsen, T. Vralstad                                                                                           | Phytochemistry Letters 4, 79-85 (2011)                                                              | 2011 | Norway      | Phenyl      | 5um, 250 x 7.5 |
| AP1409 | Synthesis of 5-bromomethylfurfural from cellulose as a potential intermediate for biofuel                                                                                             | N. Kumari, J.K. Olesen, C.M. Pedersen, M. Bols                                                                                                           | Eur. J. Org. Chem., 1266-1270 (2011)                                                                | 2011 | Denmark     | C18         | n/a            |
| AP1410 | Pro-inflammatory effects of the aqueous extract of Echinometa lucunter sea urchin spines                                                                                              | J.M. Sciani, P.C. Zychar, L.R. Goncalves, T. Nogueira, R. C. D. C. B. P. M.                                                                              | Experimental Biology and Medicine, (2011)                                                           | 2011 | Brazil      | C18         | 5um, 50 x 4.6  |
| AP1411 | Antioxidant capacities and total phenolic contents increase with gamma irradiation in two types of Malaysian honey                                                                    | S.Z. Hussein, K.M. Yusoff, S. Makpol, Y.A.M. Yusof                                                                                                       | Molecules, 16, 6378-6395 (2011)                                                                     | 2011 | Malaysia    | C18         | 5um, 250 x 4.6 |
| AP1412 | Disposition and metabolism of ticagrelor, a novel P2Y12 receptor antagonist, in mice, rats and marmosets                                                                              | Y. Li, C. Landquist, S.W. Grimm                                                                                                                          | Drug Metabolism and Disposition, 39 (9), 1555-1567 (2011)                                           | 2011 | US          | C18         | 5um, 150 x 4.6 |
| AP1413 | Acetaminophen pharmacokinetics in children with nonalcoholic fatty liver disease                                                                                                      | N.J. Barshop, E.V. Capparelli, C.B. Sirlin, J.B. Schwimmer, J.E.                                                                                         | Journal of Pediatric Gastroenterology and Nutrition,                                                | 2011 | US          | C18         | 5um, 150 x 4.6 |
| AP1414 | <sup>18</sup> F-Labelled bombesin analog for specific and effective targeting of prostate tumours expressing gastrin-releasing peptide receptors                                      | M. Honer, L. Mu, T. Stellfeld, K. Graham, M. Martic, C.R. Fischer, L. Lehmann, P.A. Schubiger, S.M. Ametamey, L. Dinkelborg, A. Srinivasan, S. Borkowski | The Journal of Nuclear Medicine, 52 (2), 270-278 (2011)                                             | 2011 | Switzerland | C18         | 3um, 50 x 4.6  |
| AP1415 | LC and UV methods for lamotrigine determination in pharmaceutical formulation                                                                                                         | M.T. Martins, C.S. Paim, M. Steppe                                                                                                                       | Chromatography Research International, 2011                                                         | 2011 | Brazil      | C18         | 5um, 150 x 4.6 |
| AP1416 | Mass detection - A new tool to expedite screening and dereplication of natural products and generate natural product                                                                  | Z-M. Gu, L-Q. Wang, J. Wu                                                                                                                                | The Natural Products Journal, 1, 135-145 (2011)                                                     | 2011 | China       | C18         | 3um, 150 x 4.6 |
| AP1417 | Validation of a novel LC-MS/MS method for the quantitation of colistin A and B in human plasma                                                                                        | Y. Dotsikas, C.K. Markopoulou, J.E. Koundourellis, Y.L. Loukas                                                                                           | J. Sep. Sci., 34, 37-45 (2011)                                                                      | 2011 | Greece      | C18         | 5um, 150 x 4.6 |
| AP1418 | Evaluation of coupling reversed phase, aqueous normal phase and hydrophilic interaction liquid chromatography with orbitrap mass spectrometry for metabolomics studies of human urine | T. Zhang, D.J. Creek, M.P. Barrett, G. Blackburn, D.G. Watson                                                                                            | Analytical Chemistry, 84, 1994-2001 (2012)                                                          | 2012 | UK          | C18         |                |
| AP1419 | H3 lysine 4 is acetylated at active gene promoters and is regulated by H3 lysine 4 methylation                                                                                        | B. Guillemette, P. Drogaris, H.S. Lin, H. Armstrong, K. Hiragami                                                                                         | PLOS Genetics, 7 (3) (2011)                                                                         | 2011 | UK          | C8-300      | 5um, 150 x 4.6 |
| AP1420 | Edible mushrooms as potential sources of new hypocholesterolemic compounds                                                                                                            | Gil-Ramirez, C. Clavijo, M. Palanisamy, C. Soler-Rivas, A. Ruiz-Rodriguez, F.R. Marin, G. Reglero, M. Perez                                              | Proc. 7 <sup>th</sup> Int. Conf. On Mushroom Biology and Mushroom Products (ICMBMP7) 110-119 (2011) | 2011 | Spain       | C18-AR      | 3um, 150 x 4.6 |
| AP1421 | Distribution of Flunixin Meglumine and Firocoxib into Aqueous Humor of Horses                                                                                                         | H. G. Hilton, K. G. Magdesian, A. D. Groth, H. Knych, S. D. Stanley, S. R. Holligsworth                                                                  | J. Vet. Intern. Med., 25, 1127-1133 (2011)                                                          | 2011 | USA         | C18         | 10 x 2.1       |
| AP1422 | LC-MS/MS assay for olanzapine in human plasma and its application to a bioequivalence study                                                                                           | D. S. Patel, N. Sharma, M. C. Patel, B. N. Patel, P. S. Shrivastav, M. Sanyal                                                                            | Acta Pharmaceutica Sinica B, 2 (5) 481-494, 2012                                                    | 2011 | India       | C18 (300 A) | 5um, 100 x 4.6 |

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| AP1423 | Molecular hijacking of siroheme for the synthesis of heme and d <sub>1</sub> heme                                                                                                                                                                | S. Bali, A.D. Lawrence, S.A Lobo, L.M. saraiva, B.T. Golding, D.J. Palmer, M.J. Howard, S.J. Ferguson, M.J. Warren                                    | PNAS, 108 (45), 18260-18265 (2011)                                                    | 2011 | UK       | AQ                       | 5um, 150 x 2.1 |
| AP1424 | Metabolic profiling of biomarkers of liver X receptor-induced toxicity in mouse liver tissue                                                                                                                                                     | L. MacIntyre, L. Zheng, P. Scullion, P. Keating, D.G.                                                                                                 | Metabolomics, 7, 54-70 (2011)                                                         | 2011 | UK       | SIL                      | 3um, 150 x 3.0 |
| AP1425 | Sustained-release effervescent floating matrix tablets of baclofen: development, optimization and in vitro-in vivo evaluation in healthy human volunteers                                                                                        | Gande S., Rao YM.                                                                                                                                     | DARU, 19 (3), 202-209 (2011)                                                          | 2011 | India    | C18                      | 5um, 250 x 4.6 |
| AP1426 | Nanofiltration process for the nutritional enrichment and refining of rice bran oil                                                                                                                                                              | I. Sereewatthanawut, I.I.R. Baptista, A.T. Boam, A. Hodgson, A.G. Livingston                                                                          | Journal of Food Engineering, 102, 16-24 (2011)                                        | 2011 | UK       | C18-300                  | 5um, 250 x 4.6 |
| AP1427 | Radiolabelling of peptides for PET, SPECT and therapeutic applications using a fully automated disposable cassette system                                                                                                                        | M. Petrik, P.A. Knetsch, R. Knopp, G. Imperato, M. Ocak, E. von Guggenberg, R. Haubner, R. Silbernagl, C. Decristoforo                                | Nuclear Medicine Communications, 32 (10), 887-895 (2011)                              | 2011 | Austria  | C18                      | 3um, 150 x 3.0 |
| AP1428 | In vitro studies to assess the antidiabetic, anticholinesterase and antioxidant potential of <i>Spergularia rubra</i>                                                                                                                            | J. Vinholes, C. Grosso, P.B. Andrade, A. Gil-Izquierdo, P. Valentao, P. Guede de Pinho, F. Ferreres                                                   | Food Chemistry, 129, 454-462 (2011)                                                   | 2011 | Portugal | C18-AR                   | 3um, 150 x 4.6 |
| AP1429 | Degradation of aflatoxin B1 in various foods by <i>Nocardia corynebacterioides</i> (Flavobacterium aurantiacum) NRRL B-184                                                                                                                       | B. Zorlugenc, I.B. Evliya                                                                                                                             | Muhendislik Bilimleri Dergisi 26 (2), 193-203 (2011)                                  | 2011 | Turkey   | C18                      | 5um, 250 x 4.6 |
| AP1430 | Disposition, metabolism and mass balance of [14C] apremilast following oral administration                                                                                                                                                       | M. Hoffmann, G. Kumar, P. Schafer, D. Cedzik, L. Capone, K. Fong, Z. Gu, D. Heller, H. Feng, S. Surapaneni, O. Laskin,                                | Xenobiotica, 41 (12), 1063-1075 (2011)                                                | 2011 | USA      | C18                      | 3um, 150 x 4.6 |
| AP1431 | Analysis of imatinib in bone marrow and plasma samples of chronic myeloid leukaemia patients using solid phase extraction                                                                                                                        | Z. Iqbal, M. Elliott, D.G. Watson, T. Holyoake, H. Jorgensen                                                                                          | Pakistan Journal of Pharmaceutical Sciences, 24 (3),                                  | 2011 | UK       | C8                       | 3um, 50 x 3.0  |
| AP1432 | Biochemical biomarkers in Nile tilapia ( <i>Oreochromis niloticus</i> ) after short-term exposure to diesel oil, pure biodiesel and biodiesel blends                                                                                             | L. Nogueira, A.L. Sanches, D.G. da Silva, V.C. Ferrizi, A.B. Moreira, E.A. de Almeida                                                                 | Chemosphere, 85, 97-105 (2011)                                                        | 2011 | Brazil   | C18                      | 5um, 250 x 4.6 |
| AP1433 | Blood matrix effects for male and female Wistar rats, in simultaneous HPLC-UV determination of riparin I and III from <i>Aniba riparia</i> (Nees) Mez. (Lauraceae)                                                                               | S. Golzio dos Santos, K.F. Queiroga, A.M. Fernandes de Oliveira, J.F. Tavares, S.J.C. Gutierrez, M. de Fatima Formiga Melo Diniz, J.M. Barbosa-Filho, | Talanta, 86, 233-240 (2011)                                                           | 2011 | Brazil   | C18                      | 5um, 250 x 4.6 |
| AP1434 | Biological and clinical significance of anti-Mullerian hormone determination in blood serum of the mare                                                                                                                                          | J. Almeida, B.A. Ball, A.J. Conley, N.J. Place, I.K.M. Liu, E.L. Scholtz, L. Mathewson, S.D. Stanley, B.C. Moeller                                    | Theriogenology, 76, 1393-1403 (2011)                                                  | 2011 | USA      | C18                      |                |
| AP1435 | Cloning, soluble expression and purification of high yield recombinant hGMCSF in <i>Escherichia coli</i>                                                                                                                                         | K.M.P. Das, S. Banerjee, N. Shekhar, K. Damodaran, R. Nair,                                                                                           | Int. J. Mol. Sci. 12, 2064-2076 (2011)                                                | 2011 | India    | C18                      | 5um, 150 x 4.6 |
| AP1436 | The hydrophilic interaction like properties of some reversed phase high performance liquid chromatography columns in the analysis of basic compounds                                                                                             | N.F. Al-Tannak, S. Bawazeer, T.H. Siddiqui, D.G. Watson                                                                                               | J. Chrom. A, 1218, 1486-1491 (2011)                                                   | 2011 | UK       | CN, Phenyl, C4, C18, SIL | 3um, 150 x 3.0 |
| AP1437 | Approach to the study of C-glycosyl flavones acylated with aliphatic and aromatic acids from <i>Spergularia rubra</i> by high performance liquid chromatography-photodiode array detection/electrospray ionization multi-stage mass spectrometry | F. Ferreres, A. Gil-izquierdo, J. Vinholes, C. Grosso, P. Valentao, P.B. Andrade                                                                      | Rapid Commun. Mass Spectrom., 25, 700-712 (2011)                                      | 2011 | Spain    | C18-AR                   | 3um, 150 x 0.5 |
| AP1438 | Application of extrinsic fluorescence spectroscopy for the high throughput formulation screening of aluminium-adjuvanted vaccines                                                                                                                | S.F. Ausar, J. Chan, W. Hoque, O. James, K. Jayasundara, K. Harper                                                                                    | J. Pharm. Sci., 100 (2), 431-440 (2011)                                               | 2011 | Canada   | C4                       | n/a            |
| AP1439 | Pharmacokinetics of oxymorphone in titi monkeys ( <i>Callicebus spp.</i> ) and rhesus macaques ( <i>Macaca mulatta</i> )                                                                                                                         | K.R. Kelly, B.H. Pypendop, J.K. Grayson, S.D. Stanley, K.L. Christe, L.M. Summers, N.W.                                                               | Journal of the Americal Association for Laboratory Animal Science, 50 (2), 1-9 (2011) | 2011 | US       | C18                      | 3um, 100 x 2.1 |
| AP1440 | Simvastatin reduces steroidogenesis by inhibiting Cyp17a1 gene expression in rat ovarian theca-interstitial cells                                                                                                                                | I. Ortega, A.B. cress, D.H. Wong, J.A. Villanueva, A. Sokalska, B.C. Moeller, S.D. Stanley, A.J.                                                      | Biology of Reproduction, 86 (1) (2011)                                                | 2011 | US       | C18                      | 3um, 100 x 2.1 |

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| AP1441 | Separation, identification and quantitation of degradants of topotecan and its related impurities in topotecan injection by RP-HPLC and LC-MS                                                                                    | N.S. Raghu, Y.R. Reddy, V. Naresh, V.S. Rao                                                                                                                                            | J. Liquid Chrom., 34, 548-578 (2011)                              | 2011 | India   | C18    | 3um, 150 x 4.6 |
| AP1442 | Early detection of ovarian cancer in samples pre-diagnosis using CA125 and MALDI-MS peaks                                                                                                                                        | J. Timms, U. Menon, D. Devetyarov, A. Tiss, S. Camuzeaux, K. Mccurrie, I. Nourredinov, B. Burford, C. Smith, A. Gentry-Maharaj, R. Hallett, J. Ford, Z. Luo, V. Vovk, A. Gammerman, R. | Cancer Genomics & Proteomics 8 (6), 289-305 (2011)                | 2011 | UK      | C18    | 3um, 150 x 2.1 |
| AP1443 | Biological stability of lactofermented beetroot juice during refrigerated storage                                                                                                                                                | E. Klewicka, A. Czyzowska                                                                                                                                                              | Pol. J. Food Nutr. Sci., 61 (4), 251-256 (2011)                   | 2011 | Poland  | C18    | 5um, 250 x 4.6 |
| AP1444 | High-throughput liquid chromatography - tandem mass spectrometric method for simultaneous quantification of carvedilol and its metabolite 4-hydroxyphenyl carvedilol in human plasma and its application to bioequivalence study | I.S. Chandiran, K.N. Jayaveera, R. Reddy                                                                                                                                               | J. Chem. Pharm. Res., 3 (2), 341-353 (2011)                       | 2011 | India   | C18    | 5um, 50 x 4.6  |
| AP1445 | Photochemical transformation of the thyroid hormone levothyroxine in aqueous solution                                                                                                                                            | J. Svanfelt, J. Eriksson, L. Kronberg                                                                                                                                                  | Environ. Sci. Pollut. Res., 2011                                  | 2011 | Finland | Phenyl | 5um, 250 x 10  |
| AP1446 | A randomised trial to investigate the effects of acute consumption of a blackcurrant juice drink on markers of vascular reactivity and bioavailability of anthocyanins in human subjects                                         | Y. Jin, D. Alimbetov, T. George, MH Gordon, JA Lovegrove                                                                                                                               | European Journal of Clinical Nutrition, 65, 849-856 (2011)        | 2011 | UK      | C18    | 5um, 150 x 4.6 |
| AP1447 | Electrocatalytic oxidation and determination of ceftriaxone sodium antibiotic in pharmaceutical samples on a copper hexacyanoferrate nanostructure                                                                               | M.R. Majidi, K.Asadpour-Zeynali, B. Hafezi                                                                                                                                             | Analytical Methods 3, 646-652 (2011)                              | 2011 | Iran    | C18    | 3um, 100 x 4.6 |
| AP1448 | <i>In vitro</i> synthesis of biogenic amines by <i>Brochothrix thermosphacta</i> isolates from meat and meat products and the influence of other microorganisms                                                                  | A. Nowak, A. Czyzowska                                                                                                                                                                 | Meat Science 88, 571-574 (2011)                                   | 2011 | Poland  | C18    | 5um, 250 x 4.6 |
| AP1449 | Hydrophilic agarose macrobead cultures select for outgrowth of carcinoma cell populations that can restrict tumor growth                                                                                                         | B.H. Smith, L.S. Gazda, B.L. Conn, K. Jain, S. Asina, D.M. Levine, T.S. Parker, M.A. Laramore, P.C. Martis, H.V. Vinerean, E.M. David, S. Qiu                                          | Cancer Research, 71, 725-735 (2011)                               | 2011 | USA     | C18    | 100 x 0.3      |
| AP1450 | Biomagnification of perfluorinated compounds in a remote terrestrial food chain: Lichen - caribou - wolf                                                                                                                         | C.E. Muller, A.O. de Silva, J. Small, M. Williamson, X. Wang, A. Morris, S. Katz, M. Gamberg, D.C.G. Muir                                                                              | Environmemntal Science and Technology, 45, 8665-8673 (2011)       | 2011 | Canada  | C18    | 3um, 50 x 2.1  |
| AP1451 | Patchwork assembly of nag-like nitroarene dioxygenase genes and the 3-chlorocatechol degradation cluster for evolution of the 2-chloronitrobenzene catabolism pathway in <i>Pseudomonas stutzeri</i> ZWLR2-1                     | H. Liu, S-J. Wang, J-J. Zhang, H. Dai, H. Tang, N-Y. Zhou                                                                                                                              | Applied and Environmental Microbiology, 77 (13), 4547-4552 (2011) | 2011 | China   | C18-HL | 5um, 250 x 4.6 |
| AP1452 | Identification and quantification of arsenolipids using reversed-phase HPLC coupled simultaneously to high-resolution ICPMS and high-resolution electrospray MS without species-specific standards                               | K.O. Amayo, A. Petursdottir, C. Newcombe, H. Gunnlaugsdottir, A. Raab, E.M. Krupp, J. Feldmann                                                                                         | Anal. Chem. 83, 3589-3595 (2011)                                  | 2011 | UK      | C18    | 5um, 150 x4.6  |
| AP1453 | HPLC method for determination of diclofenac in human plasma and its application to a pharmacokinetic study in Turkey                                                                                                             | B. Yilmaz, A. Ascı, S.S. Palabıyık                                                                                                                                                     | J. Chrom. Sci., 49, 422-427 (2011)                                | 2011 | Turkey  | C18    | 5um, 250 x 4.6 |
| AP1454 | A validated HPLC method for the determination of octocrylene in solid lipid nanoparticle systems                                                                                                                                 | M.S. Berkman, Y. Yazan                                                                                                                                                                 | Pharmazie, 66, 105-110 (2011)                                     | 2011 | Turkey  | C18    | 5um, 250 x 4.6 |
| AP1455 | Implications of nitrogen compounds during alcoholic fermentation from some grape varieties at different maturation stages and cultivation systems                                                                                | T. Garde-Cerdan, A.M. Martinez-Gil, C. Lorenzo, J.F. Lara, F. Pardo, M.R. Salinas                                                                                                      | Food Chemistry, 124, 106-116 (2011)                               | 2011 | Spain   | C18-HL | 5um, 250 x 4.6 |
| AP1456 | A novel fluorescence-based assay for the rapid detection and quantification of cellular deoxyribonucleoside triphosphates                                                                                                        | P.M. Wilson, M.J. LaBonte, J. Russell, S. Louie, A.A. Ghobrial, R.D. Ladner                                                                                                            | Nucleic Acids Research, 1-15 (2011)                               | 2011 | US      | C18    | 3um, 50 x 2.1  |
| AP1457 | Nutritional value of some wild edible mushrooms ferom Black Sea Region (Turkey)                                                                                                                                                  | F.A. Ayaz, H. Torun, A. Ozel, M. Col, C. Duran, E. Sesli, A. Colak                                                                                                                     | Turk. J. Biochem., 36 (3), 213-221 (2011)                         | 2011 | Turkey  | C18    | 5um, 250 x 4.6 |
| AP1458 | Stability indicating HPLC method for determination of rimonabant                                                                                                                                                                 | Y. Padmavathi, P.H. Krishna, B.M. Reddy                                                                                                                                                | Int. J. Chem. Sci., 9(2), 481-488 (2011)                          | 2011 | India   | C18    | 5um, 150 x 4.0 |

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| AP1459 | Effect of pasteurization and storage on tetracycline levels in honey                                                                                                 | F.Molino, R. Lazaro, C. Perez, S. Bayarri, L. Corredera, A. Herrera                     | Apidologie, 2011                                                   | 2011 | Spain       | C18       | 5um, 250 x 4.0 |
| AP1460 | Inhibition of ochratoxin A production of <i>Aspergillus carbonarius</i> by yeast species                                                                             | I. Var, Z. Erginkaya, B. Kabak                                                          | Czech J. Food Sci., 29 (3), 291-297 (2011)                         | 2011 | Turkey      | C18       | 5um, 250 x 4.6 |
| AP1461 | Development and validation of an LC-MS/MS method for the pre-clinical pharmacokinetic investigation of the anticancer candidate AC04 in rodents                      | F. de Toni Uchoa, S.E. Haas, L.Brum Jnr., M.C. Pigatto, M. do Carmo Alves de Lima, S.L. | J. Liquid Chromatography & Related Technologies 34, 744-752 (2011) | 2011 | Brazil      | C18       | 5um, 50 x 2.1  |
| AP1462 | LC-MS in analytical toxicology: some practical considerations                                                                                                        | L. Couchman and P.E. Morgan                                                             | Biomed. Chromatogr. 25, 100-123 (2011)                             | 2011 | UK          | C18       | 3um, 50 x 2.1  |
| AP1463 | Synthesis, full chemical characterisation and development of validated methods for the quantification of (±)-4'-methylmethcathinone (mephedrone): A new 'legal high' | E.Y. Santali, A. Cadogan, N.N. Daeid, K.A. Savage, O.B. Sutcliffe                       | J. Pharm. Biomed. Anal., 56, 246-255 (2012)                        | 2012 | UK          | C18       | 3um, 150 x 4.6 |
| AP1464 | Development of a validated HPLC method for the simultaneous determination of flavonoids in <i>Cuscuta chinensis</i> Lam. by ultra-violet detection                   | H. Hajimehdipoor, B.M. kondori, G.R. Amin, N. Adib, H. Rastegar, M. Shekarchi           | DARU Journal of Pharmaceutical Sciences 20, 57 (2012)              | 2012 | Iran        | C18       | 5um, 250 x 4.6 |
| AP1465 | Pharmacokinetics and pharmacodynamics of butorphanol following intravenous administration to the horse                                                               | H.K. Knych, H.C. Casbeer, D.S. McKemie, R.M. Arthur                                     | J. Vet. Therap. 2012                                               | 2012 | US          | C18       | 3um, 100 x 2.1 |
| AP1466 | Stability-indicating LC method for the simultaneous determination of telmisartan and hydrochlorothiazide in dosage form                                              | K.R. Patil, D.B. Shinde                                                                 | J. Chil. Chem. Soc., 57 (1), 1017 (2012)                           | 2012 | India       | C18       | 5um, 250 x 4.6 |
| AP1467 | Fast determination of bioactive compounds from <i>Lycopersicon esculentum</i> Mill. Leaves                                                                           | M. Taveira, F. Ferreres, A. Gil-izquierdo, L. Oliveira, P.                              | Food Chemistry 135, 748-755 (2012)                                 | 2012 | Portugal    | C18-AR    | 3um, 150 x 4.6 |
| AP1468 | A versatile, validated method for separation and quantification of spiro alcohol and its related substances by HPLC-ELSD                                             | M. Srinivas, R.S. Kumar, M.V. Murthy, S. Sait, K. Mukkanti                              | Journal of Pharmacy Research 5 (3), 1806-1809 (2012)               | 2012 | India       | C8        | 5um, 250 x 4.6 |
| AP1469 | Addition of blactoglobulin produces water-soluble shikonin                                                                                                           | A. Albrecht, I. Vovk, B. Simonovska                                                     | J. Agric. Food Chem. 2012                                          | 2012 | Slovenia    | Excel C18 | 2um, 100 x 2.1 |
| AP1470 | OnpA, an unusual flavin-dependent monooxygenase containing a cytochrom b <sub>5</sub> domain                                                                         | Y. Xiao, T. Liu, H. Dai, J. Zhang, H. Liu, H. Tang, D.J.                                | Journal of Bacteriology, 194 (6), 1342-1349 (2012)                 | 2012 | China       | C18-HL    | 5um, 250 x 4.6 |
| AP1471 | Hydrolytic properties of ellagic acid in commercial pomegranate juices                                                                                               | S. Uzuner, J. Acar                                                                      | World Academy of Science, Engineering and Technology, 67,          | 2012 | Turkey      | C18       | 5um, 250 x 4.6 |
| AP1472 | Potential of L-phenylalanine production from raw glycerol of palm biodiesel process by a recombinant <i>Escherichia coli</i>                                         | P. Srinophakun, S. Reakasame, M. Khamduang, K. Packdibamrung, A.                        | Chiang Mai J. Sci., 39 (1), 59-68 (2012)                           | 2012 | Thailand    | C18       | 5um, 150 x 4.6 |
| AP1473 | Stability indicating HPLC method for simultaneous determination of several angiotensin II receptor antagonists in their dosage forms                                 | A. Eishanawane, L.M. Abdelaziz, H.M. Hafez                                              | Pharmaceut. Anal. Acta, 3 (8), 2012                                | 2012 | Egypt       | C18       | 5um, 250 x 4.6 |
| AP1474 | Antimicrobial activity of filamentous fungi isolated from highly antibiotic-contaminated river sediment                                                              | K.S. Svahn, U.Goransson, H. El-Seedi, L. Bohlin, D.G. Joakim Larsson, B. Olsen, E.      | Infection Ecology and Epidemiology, 2, 11591 (2012)                | 2012 | Sweden      | C18       | 5um, 250 x 4.6 |
| AP1475 | Metabolic and pharmacokinetic differentiation of STX209 and racemic baclofen in humans                                                                               | R. Sanchez-Ponce, L. Wang, W. Lu, J. von Hehn, M. Cherubini,                            | Metabolites, 2, 596-613 (2012)                                     | 2012 | US          | C18-AR    | 3um, 150 x 4.6 |
| AP1476 | Photodegradation of the <i>Mycobacterium ulcerans</i> toxin, mycolactones: Considerations for handling and storage                                                   | E. Marion, S. Prado, C. Cano, J. Babonneau, S. Ghamrawi, L.                             | PLoS ONE, 7 (4), (2012)                                            | 2012 | France      | C18       | 3um, 50 x 0.5  |
| AP1477 | A standardized Chinese herbal concoction, Kai-xin-san, restores decreased levels of neurotransmitters and neurotrophic factors in                                    | K.Y. Zhu, Q-Q Mao, S-P Ip, R. C-Y Choi, T. T-X Dong, D. T-W                             | Evidence-based Complementary and Alternative Medicine (2013)       | 2012 | Hong Kong   | C18       | 3um, 100 x 2.1 |
| AP1478 | Analysis of sorbic acid in tea-drink using isotope dilution liquid chromatography tandem mass spectrometry (ID-LC/MS/MS)                                             | S. Ahn, I. Lee, B. Kim                                                                  | Analytical Science and Technology 25 (1), 25-32 (2012)             | 2012 | Korea       | C18       | 3um, 150 x 2.1 |
| AP1479 | Improved efficiency and robustness in qPCR and multiplex endpoint PCR by twisted intercalating nucleic acid modified primers                                         | U.V. Schneider, N.D. Mikkelsen, A. Lindqvist, L/M. Okkels, N. Johnk, G. Lisby           | PLOS One 7 (6) (2012)                                              | 2012 | Denmark     | C18-300   |                |
| AP1480 | Application of liquid chromatography coupled to time-of-flight mass spectrometry separation for rapid assessment of toxins in                                        | D.B. Clarke, A.S. Lloyd, P. Robb                                                        | Anal. Methods, 4, 1298-1309 (2012)                                 | 2012 | UK          | AQ        | 3um, 150 x 3.0 |
| AP1481 | Synthesis, radiolabelling and in vitro and in vivo evaluation of a novel fluorinated ABP688 derivative for the PET imaging of                                        | S.M. Sephton, P. Dennler, D.S. Leutwiler, L. Mu, C.A. Wanger-                           | Am. J. Nucl. Med. Mol. Imaging, 2 (1), 14-28 (2012)                | 2012 | Switzerland | C18       | 3um, 50 x 4.6  |
| AP1482 | Determination of Insulin in Humans with Insulin-dependent diabetes mellitus patients by HPLC with diode array detection                                              | B. Yilmaz, Y. Kadioglu, I. Capoglu                                                      | Journal of Chromatographic Science, 50, 586-590 (2012)             | 2012 | Turkey      | C18       | 5um, 250 x 4.6 |

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| AP1483 | Development and certification of green tea-containing standard reference materials                                                                                                                            | L.C. Sander, M. Bedner, M.C. Tims, J.H. Yen, D.L. Duewer, B. Porter, S.J. Christopher, R.D. Day, S.E. Long, J.L. Molloy, K.E. Murphy, B.E. Lang, R. Lieberman, L.J. Wood, M.J. Payne, M.C. roman, J.M. Betz, A. NguyenPho, K.E. Sharpless, S.A. | Anal. Bioanal. Chem., 402, 473-487 (2012)                                                       | 2012 | US        | C18       | 5um, 250 x 4.6 |
| AP1484 | Long chain n-3 PUFAs reduce adipose tissue and systemic inflammation in severely obese nondiabetic patients: a randomized controlled trial                                                                    | B. Itaiu, M. Zeyda, E. Hochbrugger, A. Neuhofer, G. Prager, K. Schindler, A. Bohdjalian, D. Mascher, S. Vangala, M. Seranz, M. Krebs,                                                                                                           | Am. J. Clinical Nutrition, 96 (5), 1137-1149 (2012)                                             | 2012 | US        | C18-AR    | 3um, 150 x 2.1 |
| AP1485 | LC-MS/MS analysis of microcystins in drinking water on EVOQ Elite                                                                                                                                             | K. Cha, K. Wang                                                                                                                                                                                                                                 | Bruker Application Note 704424                                                                  | 2012 | Korea     | Excel C18 | 2um, 100 x 2.1 |
| AP1486 | Analysis of an opioid peptide dermorphin in equine urine using EVOQ Elite LC-MS/MS system                                                                                                                     | R. Thakur                                                                                                                                                                                                                                       | Bruker Application Note 704423                                                                  | 2012 | US        | C18       | 3um, 100 x 2.1 |
| AP1487 | Clenbuterol in equine plasma - a study of superior ion source robustness and high sensitivity on a new EVOQ model LV triple quadrupole mass spectrometer                                                      | Z. Yang                                                                                                                                                                                                                                         | Bruker Application Note 704055                                                                  | 2012 | US        | C18       | 3um, 100 x 2.1 |
| AP1488 | Quantitative analysis of chloramphenicol in milk using the EVOQ Elite                                                                                                                                         |                                                                                                                                                                                                                                                 | Bruker Application Note                                                                         | 2012 | US        | C18       | 3um, 50 x 2.1  |
| AP1489 | Development and validation of stability indicating HPLC method for combination tablet dosage form of efavirenz, lamivudine and tenofovir tablet                                                               | V. Reddiah, P.R. Devi, K. Mukkanti, P. Srinivasu                                                                                                                                                                                                | International Journal of Pharmaceutical and Phytopharmacological Research, 2 (1), 40-45, (2012) | 2012 | India     | C18       | 5um, 250 x 4.6 |
| AP1490 | Perfluoroalkyl and polyfluoroalkyl substances (PFASs) in consumer products in Norway - A pilot study                                                                                                          | D. Herzke, E. Olsson, S. Posner                                                                                                                                                                                                                 | Chemosphere, 88, 980-987 (2012)                                                                 | 2012 | Norway    | C18       | 3um, 150 x 2.1 |
| AP1491 | perfluorohexanoate on pipping success, development, mRNA expression and thyroid hormone levels in chicken embryos                                                                                             | C.G. Cassone, V. Vongphachan, S.Chiu, K.L. Williams, R.J. Letcher, E. Pelletier, D. Crump,                                                                                                                                                      | Toxicological Sciences, 127(1), 216-224 (2012)                                                  | 2012 | Canada    | C18       | 3um, 50 x 2.1  |
| AP1492 | Quantitative determination of four angiotensin II receptor antagonists in presence of hydrochlorothiazide by a gradient technique HPLC in their pharmaceutical preparations                                   | H.M. Hafez, L.M. Abdelaziz, A.A. Elshanawane, M.M. Kamal                                                                                                                                                                                        | Pharmaceutica Analytica Acta, 3 (7), (2012)                                                     | 2012 | Egypt     | C18       |                |
| AP1493 | Comparative evaluation of post-column free radical scavenging and ferric reducing antioxidant power assays for screening of antioxidants in strawberries                                                      | R. Raudonis, L. Raudone, V. Jakstas, V. Janulis                                                                                                                                                                                                 | J. Chrom. A, 1233, 8-15 (2012)                                                                  | 2012 | Lithuania | C18       | 5um, 250 x 4.6 |
| AP1494 | Determination of eprosartan mesylate and hydrochlorothiazide in tablets by derivative spectrophotometric and high performance liquid chromatographic methods                                                  | F. Hacioglu, A. Onal                                                                                                                                                                                                                            | J. Chrom. Sci., (2012)                                                                          | 2012 | Turkey    | CN        | 5um, 200 x 4.6 |
| AP1495 | Sequential determination of fat- and water-soluble vitamins in green leafy vegetables during storage                                                                                                          | J. Santos, J.A. Mendiola, M.B.P.P. Oliveira, E. Inanez, M. U...                                                                                                                                                                                 | J. Chrom. A, 1261, 179-188 (2012)                                                               | 2012 | Portugal  | C18       | 3um, 100 x 2.1 |
| AP1496 | Novel N-linked aminopiperidine inhibitors of bacterial topoisomerase type II with reduced pLa : antibacterial agents with an improved safety profile                                                          | F. Reck, R.A. Alm, J.V. Newman, P. ciaccio, J. McNulty, H. Barthlow, K. Goteti, J. Breen,                                                                                                                                                       | J. Med. Chem., 55 (15), 6916-6933 (2012)                                                        | 2012 | US        | C18       | 50 x 4.6       |
| AP1497 | Analysis of free and esterified sterols in sunflower oils by online reversed phase liquid chromatography-gas chromatography (RPLC-GC) using the through oven transfer adsorption desorption (TOTAD) interface | R.M. Toledano, J.M. Cortes, A. Rubio-Moraga, J. Villen, A. Vazquez                                                                                                                                                                              | Food Chemistry, 135, 610-615 (2012)                                                             | 2012 | Spain     | C4        | 5um, 250 x 4.0 |
| AP1498 | Durable pharmacological responses from the peptide ShK-186, a specific Kv1.3 channel inhibitor that suppresses T cell mediators of autoimmune disease                                                         | E.J. Tarcha, V.C. Ernesto, J. Munoz-Elias, D. Bailey, L.M. Londono, S.K. Upadhyay, K.                                                                                                                                                           | J. Pharmacology & Experimental Therapeutics, 342 (3), 642-653 (2012)                            | 2012 | US        | C18-PFP   | 5um, 50 x 2.1  |
| AP1499 | Development and validation of a reverse phase-liquid chromatographic method for the estimation of butylated hydroxytoluene as antioxidant in paricalcitol hard gelatin capsule formulation dosage form        | B. Vaghela, S.S. Rao, N. Sharma, P. Balakrishna, A.M. Reddy                                                                                                                                                                                     | Pharmaceutical Methods, 2 (4), 235-241 (2012)                                                   | 2012 | India     | C18       | 5um, 250 x 4.6 |
| AP1500 | Comparison of stereochemical structures of cholesterol from different sources by HPLC                                                                                                                         | B. Satilmis, T. Guldur, A. Karakurt, E. Buyuktuncel, M.                                                                                                                                                                                         | Marmara Pharmaceutical Journal, 16, 201-205 (2012)                                              | 2012 | Turkey    | C18       | 5um, 250 x 4.6 |
| AP1501 | Determination of escitalopram in human plasma by high performance liquid chromatography-tandem mass spectrometry                                                                                              | C. de Sousa, F.N. Bonifacio, D.C.G. Bedor, T.M. Silva, V.L.S. Ramos, J.H. de Souza Filho, L.B. Leal, A.T.C. Oliveira, D.P. de                                                                                                                   | Latin American Journal of Pharmacy 31 (2), 310-314 (2012) Short Communication                   | 2012 | Brazil    | C18       | 5um, 125 x 4.6 |



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| AP1502 | Analysis of in vivo absorption of didanosine tablets in male adult dogs by HPLC                                                                               | P. Severino, H. Silva, E.B. Souto, M.H.A. Santana, T.C.T. Dalla                                                                                          | Journal of Pharmaceutical Analysis, 2 9(1), 29-34 (2012)                                 | 2012 | Brazil   | C18     | 5um, 140 x 4.0 |
| AP1503 | Intraspecific variation of biological activities in venoms from wild and captive Bothrops jararaca                                                            | E. Saad, L.C. Barros, N. Biscola, D. Pimenta, S. Barraviera, B. Barraviera, R.S. Ferrera                                                                 | Journal of Toxicology and Environmental Health Part A, 75, 1-10 (2012)                   | 2012 | Brazil   | C8-300  | 3um, 50 x 4.6  |
| AP1504 | Folate determination in cashew apple juice: Method development and validation                                                                                 | S.O.Sancho, A.R.A. Silva, M.C. Rabelo, R.W. Figueiredo, G.A. Maia, S. Rodrigues                                                                          | HOLOS, 28 (4), 99-112 (2012)                                                             | 2012 | Brazil   | C18     | 5um, 250 x 4.0 |
| AP1505 | Quinoa extract enriched in 20-hydroxyecdysone protects mice from diet-induced obesity and modulates adipokines expression                                     | A.S. Foucault, V. Mathe, R. Lafont, P. Even, W. DFioh, S. Veillet, D. Tome, J.F. Huneau, D. Hermier, A. Quignard-                                        | Obesity, 20 (2), 270-277 (2012)                                                          | 2012 | France   | C18     |                |
| AP1506 | Cannabinoids and bone: endocannabinoids modulate human osteoclast function in vitro                                                                           | L.S. Whyte, L. Ford, S.A. Ridge, G.A. Cameron, M.J. Rogers, R.A. Ross                                                                                    | British Journal of Pharmacology, 165, 2584-2597 (2012)                                   | 2012 | UK       | C8      | 5um, 150 x 2.1 |
| AP1507 | [11C]Phenytin revisited: synthesis by [11C]CO carbonylation and first evaluation as a P-gp tracer in rats                                                     | J. Verbeek, J. Eriksson, S. Syvanen, M. Labots, E. C.M. de Lange, R.A. Voskuyl, M.P.J. Mooijer, M. Rongen, A.A. Lammertsma, A.D. Windhorst               | EJNMMI Research, 2 (36), (2012)                                                          | 2012 | etherlan | C18     | 5um, 250 x 10  |
| AP1508 | Examination of the cytotoxic and embryotoxic potential and underlying mechanisms of next-generation synthetic trioxolane and tetraoxane antimalarials         | I.M. Copple, A.E. Mercer, J. Firman, G. Donegan, B. Herpers, M.H.L. Wong, J. Chadwick, A.D. Bringela, M.L.S. Cristiano, B. van de Water, S.A. Ward, P.M. | Molecular Medicine, 18, 1045-1055 (2012)                                                 | 2012 | UK       | C8      | 3um, 100 x 2.1 |
| AP1509 | A comparative evaluation of coenzyme Q10-loaded liposomes and solid lipid nanoparticles as dermal antioxidant carriers                                        | E.H. Gokce, E. Korkmaz, S.T-Tanriverdi, E. Deller, G. Sandri, M.C. Bonferoni, O. Ozer                                                                    | Int. J. Nanomedicine, 5109-5117 (2012)                                                   | 2012 | Turkey   | C18     | 5um, 250 x 4.6 |
| AP1510 | Comparative tissue and body compartment accumulation and maternal transfer to eggs of perfluoroalkyl sulfonates and carboxylates in Great Lakes herring gulls | W. A. Gebbink, R.J. Letcher                                                                                                                              | Environmental Pollution, 162, 40-47 (2012)                                               | 2012 | Canada   | C18     | 3um, 50 x 2.1  |
| AP1511 | A versatile, validated method for separation and quantification of positional isomers of the key intermediate of atorvastatin calcium by HPLC                 | D. Rambabu, P.S.S. Prasad, K. Mukkanti                                                                                                                   | J. Pharm. Res., 5 (12), 5408-5411 (2012)                                                 | 2012 | India    | C18-HL  | 5um, 250 x 4.6 |
| AP1512 | In vivo pH imaging with 99mTc-pHLIP                                                                                                                           | S. Macholl, M.S. Morrison, P. Iveson, B.E. Arbo, O.A. Andreev, Y.K. Reshetnyak, D.M. Engelman, E. Johannesen                                             | Mol. Imaging Biol (2012)                                                                 | 2012 | UK       | C4-300  | 5um, 150 x 4.6 |
| AP1513 | Characterisation of AC1: a naturally decaffeinated coffee                                                                                                     | L.B. Benatti, M.B. Silvarolla, P. Mazzafera                                                                                                              | Bragantia, Campinas, 71 (2), 143-154 (2012)                                              | 2012 | Brazil   | C18     | 5um, 250 x 4.6 |
| AP1514 | Gelam and Nenas honeys inhibit proliferation of HT 29 colon cancer cells by inducing DNA damage and apoptosis while suppressing inflammation                  | C.T.P. Wen, S.Z. Hussein, S. Abdullah, N.A. Karim, S. Makpol, Y.A.M. Yusof                                                                               | Asian Pacific Journal of Cancer Prevention, 13, 1605-1610 (2012)                         | 2012 | Malaysia | C18     | 5um, 250 x 4.6 |
| AP1515 | Development method for extracting and analyzing antibiotic and hormone residues from treated wastewater sludge and composted biosolids                        | M. Shafir, D. Avisar                                                                                                                                     | Water Air Soil Pollut., (2012)                                                           | 2012 | Israel   | C8      | 5um, 250 x 2.1 |
| AP1516 | Uptake of perfluorinated alkyl acids by hydroponically grown lettuce (Lactuca sativa)                                                                         | S. Felizeter, M.S. McLachlan, P. de Voogt                                                                                                                | Environ. Sci. Technol., 46, 11735-11743 (2012)                                           | 2012 | etherlan | C18-300 | 3um, 150 x 2.1 |
| AP1517 | Influence of cultivar and storage conditions in anthocyanin content and radical-scavenging activity of strawberry jams                                        | L.F. Amaro, M.T. Soares, C. Pinho, I.F. Almeida, I.M.P.L.V.O. Ferreira, O. Pinho                                                                         | Int. J. Biological, Biomolecular, Agricultural, Food and Biotechnological Engineering, 6 | 2012 | Portugal | C18     | 5um, 250 x 4.6 |
| AP1518 | Subarachnoid haemorrhage induces an inflammatory response followed by a delayed persisting increase in asymmetric dimethylarginine                            | M.R. Wahlstrom, M. Olivecrona, L. Koskinen, S. Naredi, M. Hultin                                                                                         | Scandinavian Journal of Clinical & laboratory Investigation, 72 (6), 484-489 (2012)      | 2012 | Sweden   | C18     | 3um, 100 x 3.0 |
| AP1519 | Trypanosoma brucei thymidine kinase is tandem protein consisting of two homologous parts, which together enable efficient substrate binding                   | F. Ranjbarian, M. Vodnala, S.M. Vodnala, R. Rofougaran, L. Thelander, A. Hofer                                                                           | J. Biol. Chem., 287 (21), 17628-17636 (2012)                                             | 2012 | Sweden   | C18     | 3um, 50 x 4.6  |

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| AP1520 | Skin glands, poison and mimicry in dendrobatid and leptodactylid amphibians                                                                                                                                     | I. Prates, M.M. Antoniazzi, J.M. Sciani, D.C. Pimenta, L.F. Toledo, C.F.B. Haddad., Jared                     | J. Morphology, 273, 279-290 (2012)                                             | 2012 | Brazil   | C18    | 5um, 50 x 4.6  |
| AP1521 | Development and application of a HPLC method for eight sunscreen agents in sun care products                                                                                                                    | L.M. Peruchi, S. Rath                                                                                         | Int. J. Cosmetic Sci., 34, 226-233 (2012)                                      | 2012 | Brazil   | C18    | 5um, 250 x 4.6 |
| AP1522 | Development and validation of a stability-indicating RP-HPLC method for the simultaneous estimation of process related impurities and degradation products of rasagiline mesylate in pharmaceutical formulation | P.S. Reddy, K.S. babu, N. Kumar                                                                               | J. Chrom. Sci. (2012)                                                          | 2012 | India    | C8     | 3um, 150 x 4.6 |
| AP1523 | Occurrence and sorption of fluoroquinolones in poultry litters and soils from Sao Paulo State, Brazil                                                                                                           | R.M. P. Leal, R.F. Figueira, V.L. Tornisiolo, J.B. Regitano                                                   | Science of the Total Environment, 432, 344-349 (2012)                          | 2012 | Brazil   | C18    | 5um, 250 x 4.6 |
| AP1524 | Development and validation of packed column supercritical fluid chromatographic technique for quantification of chlorzaxazone, paracetamol and aceclofenac in their individual and combined dosage forms        | P.P. Desai, N.R. Patel, O.D. Sherikar, P.J. Mehta                                                             | J. Chrom. Sci., 2012                                                           | 2012 | India    | Phenyl | 5um, 150 x 4.6 |
| AP1525 | Development of molecularly imprinted polymers (MIPs) nano particles for the selective determination of carbamazepine in human serum and plasma                                                                  | B. Akbari-adergani, A. Heydari                                                                                | Indian Journal of Science and Technology 5 (S3), 2429-2431 (2012)              | 2012 | Iran     | C18    | 5um, 250 x 4.6 |
| AP1526 | Chemical communication between the endophytic fungus <i>Paraconiothyrium Variable</i> and the phytopathogen <i>Fusarium oxysporum</i>                                                                           | Combes, I. Ndoye, C. Bance, J. Bruzaud, C. Djediat, J. Dupont, P. N. G. D. B.                                 | PLOS ONE, 7 (10) (2012)                                                        | 2012 | France   | C18    | 3um, 50 x 0.5  |
| AP1527 | Application of RP-HPLC for determination of the dissociation constants of rosuvastatin calcium                                                                                                                  | E. Kocak, M. Celebier, S. Altinoz                                                                             | Hacettepe University Journal of the faculty of Pharmacy, 32 (2),               | 2012 | Turkey   | C18    | 5um, 125 x 4.6 |
| AP1528 | Detection of 1,4-dihydroxy-2-naphthoic acid from commercial <i>Makgeolli</i> products                                                                                                                           | J. Eom, S. Kwon, G. Moon                                                                                      | Pre. Nutr. Food Sci., 17, 83-86 (2012)                                         | 2012 | Korea    | C18    | 5um, 150 x 4.6 |
| AP1529 | A validated stability indicating high-performance liquid chromatographic method for simultaneous estimation of cefuroxime sodium and sulbactam sodium in injection dosage form                                  | F.M. Patel, J.B. Dave, P.J. Vyas, C.N. Patel                                                                  | Chronicles of Young Scientists, 3 (4), 279-285 (2012)                          | 2012 | India    | C18    | 5um, 150 x 4.6 |
| AP1530 | Determination of vitamin B12 in infant formula and adult nutritionals using HPLC after purification on an immunoaffinity column. First action 2011.09                                                           | U. Kirchner, K. Degenhardt, G. Raffler                                                                        | Journal of AOAC International, 95 (4), (2012)                                  | 2012 | Germany  | AQ     | 3um, 150 x 3.0 |
| AP1531 | Development and validation of a high performance liquid chromatographic method for determination of etoposide in biodegradable polymeric implants                                                               | A. G. R. Solano, G. Rodrigues da Silva, S. L. Fialho, A. da Silva Cunha Jnr                                   | Quim. Nova, 35 (6), 1239-1243 (2012)                                           | 2012 | Brazil   | C18    | 5um, 250 x 4.6 |
| AP1532 | Simultaneous determination of atorvastatin and glimepiride by LC-MS/MS in human plasma and its application to a pharmacokinetic study                                                                           | K.K. Hotha, N.R. Yarramu, T. Kandbedala, V.B. Dasari, V. Vabhalakshmi                                         | American Journal of Analytical Chemistry, 3, 559-569 (2012)                    | 2012 | India    | C18    | 5um, 50 x 4.6  |
| AP1533 | HPLC method for determination of atenolol in human plasma and application to a pharmacokinetic study in Turkey                                                                                                  | B. Yilmaz, S. Arslan, A. Ascı                                                                                 | J. Chrom. Sci., 50, 914-919 (2012)                                             | 2012 | Turkey   | C18    | 5um, 250 x 4.6 |
| AP1534 | The synthesis and characterization of retinol-molecularly-imprinted polymers as a selective sorbent in solid-phase extraction                                                                                   | V. Seechamnaturakit, R. Suedee                                                                                | Int. J. Ap; p. Sci. & Tech., 2 (7), 81-93 (2012)                               | 2012 | Thailand | C18    | 5um, 250 x 4.6 |
| AP1535 | Determination of 25-hydroxy vitamin D2 and D3 in plasma by HPLC-DAD                                                                                                                                             | D.M. Kich, F.A. de Souza Vieira, M. Bassuino, R. Linden                                                       | J. Bras. Patol. Med. Lab., 48 (5), 329-336 (2012)                              | 2012 | Brazil   | C18    | 5um, 150 x 4.6 |
| AP1536 | Development and validation of a stability-indicating HPLC method for analysis of Lamotrigine in bulk drug and formulations                                                                                      | S. Bais, A. Chandewar, A. Kakani, I. Singhvi, M. Shirsat                                                      | International journal of universal pharmacy and                                | 2013 | India    | C18    |                |
| AP1537 | Comparison of <i>in vivo</i> chemoprotective and <i>in vitro</i> antimicrobial activity of different garlic ( <i>Allium sativum</i> ) preparations                                                              | K. Batcioglu, F.O. Kargin, B. Satilmis, M. Gul, A.B. Uyumlu, E. Buyuktuncel, B. Yigitcan, S. Gunal, M.F. Gene | J. Med. Plants Research, 6 (14), 2885-2894 (2012)                              | 2012 | Turkey   | C18    | 3u, 75 x 4.6   |
| AP1538 | Bioanalysis of dermorphin, an opioid peptide in equine urine                                                                                                                                                    | M. Splendore, C. Kellogg, R. Thakur (Bruker)                                                                  | Chromatography Today Nov/Dec 2012                                              | 2012 | US       | C18    | 3um, 100 x 2.1 |
| AP1539 | Stability testing of alliin by RP HPLC coupled with electrospray ionization tandem mass spectrometry in unani formulations                                                                                      | S. Sreedhara, A. Ghosh, G. Shenoy, R. Shetty, V.S. Kumar, D.B. Sanghai                                        | Asian Journal of Biomedical and Pharmaceutical Sciences, 2 (15), 25-27 (2012)  | 2012 | India    | C18    | 3um, 35 x 4.6  |
| AP1540 | A validated LC method for the estimation of erlotinib in bulk and tablet dosage form                                                                                                                            | R.K. Konda, K.S. Babu, C.H. Nagabhushanam                                                                     | Int. J. Pharm. Biomed. Res., 4(1), 1-4 (2013)                                  | 2013 | India    | C18    | 3um, 150 x 4.6 |
| AP1541 | Analytical method development and validation by RP-HPLC for the simultaneous estimation of abacavir sulphate and lamivudine in tablet dosage forms                                                              | S. Deepthi, P.M. Vasanth, M. Ramesh, R. Ramesh, T. Ramesh                                                     | International Journal of Chemical and Life Sciences, 02 (01), 1064-1067 (2013) | 2013 | India    | C18    | 5um, 150 x 4.6 |

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| AP1542 | Absorption, metabolism and excretion of [ <sup>14</sup> C]pomalidomide in humans following oral administration                                                                 | M. Hoffmann, C. Kasserra, J. Reyes, P. Schafer, J. Kosek, L. Capone, A. Parton, H. Kim-Kang, S. Surapaneni, G. Kumar | Cancer Chemother. Pharmacol., 71, 489-501 (2013)                          | 2013 | US        | C18       | 3um, 150 x 4.6 |
| AP1543 | Dihydrogen and 5-aminolevulinic acid production from waste barley by Rhodobacter sphaeroides O.U.001 in a biorefinery                                                          | G. Kars, A. Ceylan                                                                                                   | Int. J. Hydrogen Energy, 1-7 (2013)                                       | 2013 | Turkey    | C18       | 5um, 250 x 4.6 |
| AP1544 | HPLC with UV and mass spectrometric detection for quantifying total ezetimibe in human plasma: Validation and application in pharmacokinetic study                             | P. Gaikwad, A. Bhagwat, S. Bhoir                                                                                     | Int. J. Biological & Pharmaceutical Research                              | 2013 | India     | C18       | 5um, 50 x 4.6  |
| AP1545 | Extraction method for the determination of atrazine, deethylatrazine and deopropylatrazine in agricultural soil using factorial design                                         | M.F.Amadori, G.A. Cordeiro, C.C. Reboucas, P.G. Peralta-Zucchi, M.T. Gomes, G. Alati                                 | J. Brazil Chem. Soc., 24 (3), 483-491 (2013)                              | 2013 | Brazil    | C18       | 5um, 100 x 4.6 |
| AP1546 | Differences and similarities among parotid macrogland secretions in South American toads: A preliminary biochemical delineation                                                | J.M. Sciani, C.B. Angeli, M.M. Antoniazzi, C. Jared, D.C. Pimenta                                                    | The Scientific World Journal, 2013                                        | 2013 | Brazil    | C18       | 5um, 250 x 4.6 |
| AP1547 | Development and validation of a stability-indicating HPLC method for the simultaneous determination of sulfadiazine sodium and trimethoprim in injectable solution formulation | M.M. Ghanem, S.A. Abu-Lafi                                                                                           | Scientia Pharmaceutica, 81, 167-182 (2013)                                | 2013 | Palestine | C18       | 5um, 250 x 4.6 |
| AP1548 | Determination of 17a-methyltestosterone in freshwater samples of tilapia farming by high performance liquid chromatography                                                     | I.R. Barbosa, S. Loes, R. Oliveira, I. Domingues, A.M.V.M. Soares, A.J.A. Nogueira                                   | Am. J. Anal. Chem., 4, 207-211 (2013)                                     | 2013 | Portugal  | C18       | 5um, 250 x 4.6 |
| AP1549 | Development and validation of stability indicating RP-HPLC method on thiocolchicoside and ketoprofen in bulk and marketed tablet dosage form                                   | S.D. Kokate, A.D. Sapakal, S.K. Mohite                                                                               | Int. J. Universal Pharmacy and Bio Sciences, 2 (3), 513-518 (2013)        | 2013 | India     | C18       | 5um, 150 x 4.6 |
| AP1550 | RP-HPLC method for simultaneous estimation of cefixime trihydrate and linezolid in tablet dosage form                                                                          | S.A. Patel, J.V. Patel                                                                                               | Int. J. Pharmaceutical, Chemical and Biological Sciences, 3 (2),          | 2013 | India     | C18       | 5um, 150 x 4.6 |
| AP1551 | High throughput estimation of metformin in K <sub>2</sub> EDTA human plasma by using LC-ESI-MS/MS and application to                                                           | P. Singhal, P.S. Shrivastav                                                                                          | Indian Journal of Science, 3 (8), 102-110 (2013)                          | 2013 | India     | CN        | 5um, 150 x 4.6 |
| AP1552 | Application of nontoxic liquid chromatography-high resolution mass spectrometry based urinary metabolomics for prostate cancer detection and biomarker discovery               | T. Zhang, D.G. Watson, L. Wang, M. Abbas, L. Murdoch, L.                                                             | PLOS ONE, 8 (6), (June 2013)                                              | 2013 | UK        | C18-AR    | 5um, 150 x 4.6 |
| AP1553 | A fully validated chromatographic determination of voriconazole from infusion solution and tablet                                                                              | A. Dogan, N.E. Basci                                                                                                 | Hacettepe University Journal of the Faculty of Pharmacy, 33 (2),          | 2013 | Turkey    | Excel C18 | 2um, 50 x 3.0  |
| AP1554 | Synthesis and biological evaluation of novel propargyl amines as potential fluorine-18 labelled radioligands for detection of MAO-B activity                                   | S. Nag, G. Ketschau, T. Heinrich, A. Varrone, L.                                                                     | Bioorganic and Medicinal Chemistry, 21, 186-195 (2013)                    | 2013 | Sweden    | C18-HL    | 5um, 250 x 10  |
| AP1555 | Recovery of antioxidants from olive mill wastewaters: A viable solution that promotes their overall sustainable management                                                     | N. Kalogerakis, M. Politi, S. Foteinis, E. Chatzisyneon, D. Mantzavinos                                              | J. Environmental Management, 128, 749-758 (2013)                          | 2013 | Greece    | C18       | 5um, 250 x 4.6 |
| AP1556 | Metabolic flux analysis during the exponential growth phase of Saccharomyces cerevisiae in wine                                                                                | M. Quiros, R. Martinez-Moreno, J. Albiol, P. Morales, F. Vazquez-Lima, A. Barreiro-Vazquez, P. Ferrer, R. Gonzalez   | PLOS ONE, 8 (8), (2013)                                                   | 2013 | Spain     | C18-HL    | 5um, 250 x 4.6 |
| AP1557 | Efficacy of iloprost and montelukast combination on spinal cord ischemia/reperfusion injury in a rat model                                                                     | G. Lafci, H.S. Gedik, K. Korkmaz, H. Erdem, O.F. Cicek, O.A. Nacar, L. Yildirim, E. Kaya,                            | J. Cardiothoracic Surgery, 8 (64) (2013)                                  | 2013 | Turkey    | C18       | 5um, 250 x 10  |
| AP1558 | Chromatographic on-line detection of bioactives in food                                                                                                                        | R. Van der Werf, S. Sigrist, S. Ros, D. Aoude-Werner, J. Le Grandois, S. Ennahar, F. Digel,                          | Functional Foods in Health and Disease, 3 (8), 323-331 (2013)             | 2013 | France    | C18-PFP   | 5um, 250 x 4.6 |
| AP1559 | Micellar liquid chromatographic determination of sildenafil citrate in pharmaceutical formulations                                                                             | S. Jaipang, D. Santiarworn, S. Liawruangrath, B.                                                                     | Chiang Mai. J. Sci. 40 (3), 408-418 (2013)                                | 2013 | Thailand  | C18-AR    | 5um, 150 x 4.6 |
| AP1560 | Analysis of phenylbutazone residues in horse muscle                                                                                                                            | J. Blance, R. Munoz, P. Munoz, A. Aranda, R. Diaz, M.M. de                                                           | Revista del Comité Científico de la AESAN, 17, 235-246 (2013)             | 2013 | Spain     | C18-PFP   | 3um, 150 x 3.0 |
| AP1561 | RP-HPLC analysis and antimicrobial screening of clausena excavata burm. F. (Rutaceae)                                                                                          | C. Guntupalli, M. Ramaiah, GS Kumar                                                                                  | Int. J. Phytotherapy, 3 (2), 91-97 (2013)                                 | 2013 | India     | C18       | 5um, 250 x 4.6 |
| AP1562 | Release of propolis phenolic acids from semisolid formulations and their penetration into the human skin <i>in vitro</i>                                                       | M. Zilius, K. Ramanauskienė, V. Briedis                                                                              | Hindawi Publishing Company - Evidence-based complementary medicine (2013) | 2013 | Lithuania | C18       | 5um, 150 x 0.5 |
| AP1563 | Quantization of didanosine in human plasma using high performance liquid chromatography-tandem mass spectrometry                                                               | H. Sura, S. Bonthu, T.E.G.K. Murthy                                                                                  | and Research, 3 (3), 187-195 (2013)                                       | 2013 | India     | C18       | 5um, 50 x 4.6  |

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| AP1564 | Qualitative and quantitative analysis of <i>Andrographis paniculata</i> by rapid resolution liquid chromatography/time of flight mass spectrometry                                                                   | Y. Song, S. Liu, Z. Jin, J. Qin, Z. Jiang                                                                      | Molecules, 18, 12192-12207 (2013)                                             | 2013 | China     | Excel SuperC18 | 3um, 100 x 2.1 |
| AP1565 | Development of an HPLC-UV method for the analysis of drugs used for combined hypertension therapy in pharmaceutical preparations and human plasma                                                                    | S.E.K. Tekkeli                                                                                                 | Hindawi Publishing Corp. - J. Anal Methods in Chemistry (2013)                | 2013 | Turkey    | CN             | 5um, 200 x 4.6 |
| AP1566 | Analysis of lyso-globotriaosylsphingosine in dried blood spots                                                                                                                                                       | B. Johnson, H. Mascher, D. Mascher, E. Legnini, C. Hung, A. Dajnoki, Y. Chien, L. Marodi, W. Hwu, O.A. Bodamer | Anal. Lab. Med., 274-278 (2013)                                               | 2013 | US        | C8             | 3um, 50 x 2.1  |
| AP1567 | Comparison of methods for detoxification of spruce hydrolysate for bacterial cellulose production                                                                                                                    | X. Guo, A. Cavka, L. Jonsson, F. Hong                                                                          | Microbial Cell Factories, 12 (93), (2013)                                     | 2013 | China     | C18-AR         | 5um, 150 x 2.1 |
| AP1568 | A validated stability-indicating high performance liquid chromatographic method for moxifloxacin hydrochloride and ketorolac tromethamine eye drops and its application in pH dependent degradation kinetics         | J.B. Dave, P.J. Vyas, C.N. Patel                                                                               | Chronicles of Young Scientists, 4 (1), 24-31 2013                             | 2013 | India     | C18            | 5um, 150 x 4.6 |
| AP1569 | Comprehensive analysis of lipophilic arsenic species in a brown alga ( <i>Saccharina latissima</i> )                                                                                                                 | A. Raab, C. Newcombe, D. Pitton, R. Ebel, J. Feldmann                                                          | Anal. Chem. 85, 2817-2824 (2013)                                              | 2013 | UK        | C18            | 5um, 150 x 4.6 |
| AP1570 | Individual venom profiling of <i>Crotalus durissus terrificus</i> specimens from a geographically limited region: Crotamine assessment and captivity evaluation on the biological activities                         | A. Lourenco, C. F.Z. Creste, L.C. de Barros, L. D. dos Santos, D.C. Pimenta, B. Barraviera, R.S. Ferreira      | Toxicon 69, 75-81 (2013)                                                      | 2013 | Brazil    | C8-300         | 3um, 50 x 4.6  |
| AP1571 | Validation of a method for quantifying enzalutamide and its major metabolites in human plasma by LC-MS/MS                                                                                                            | D. Bennett, J.A. Gibbons, R. Mol, Y. Ohtsu, C. Williard                                                        | Bioanalysis (2013)                                                            | 2013 | US        | C18            | 5um, 30 x 2.1  |
| AP1572 | Enantiomer selective glucuronidation of the non-steroidal pure anti-androgen bicalutamide by human liver and kidney: Role of the human UDP-glucuronosyltransferase (UGT)1A9 enzyme                                   | L. Grosse, A-S Campeau, S. Caron, F. Morin, K. Meunier, J. Trottier, P. Caron, M. Verreault,                   | Basic & Clinical Pharmacology & Toxicology, 113, 92-102 (2013)                | 2013 | Canada    | C18-HL         | 3um, 100 x 4.6 |
| AP1573 | Separation and estimation of process related impurities and degradation products of levetiracetam in solid pharmaceutical formulation using ion-pair chromatography                                                  | N. Kumar, D. Sangeetha                                                                                         | J. Liquid Chrom. & Rel. Techniques 36 (13), 1836-1848 (2013)                  | 2013 | India     | C8             | 5um, 150 x 4.6 |
| AP1574 | The Anti-Inflammatory drugs Diclofenac, Naproxen and Ibuprofen are found in the bile of wild fish caught downstream of a wastewater treatment plant                                                                  | J.M. Brozinski, M. Lahti, A. Meierjohann, A. Oikari, L. Kronberg                                               | Environ. Sci. Technol., 47, 342-348 (2013)                                    | 2013 | Finland   | Phenyl         | 5um, 125 x 2.1 |
| AP1575 | Study of the influence of low fat content test meal on cyclobenzaprine bioavailability in human body by using LC/MS/MS                                                                                               | A.A. Awwad, M. Yacoub, M. Alawi, T. Arafat                                                                     | Int. J. Res. In Pharmaceutical & Biomedical Sciences, 4 (4), 1187-1196 (2013) | 2013 | Jordan    | C18            | 5um, 50 x 2.1  |
| AP1576 | Determination of leelamine in mouse plasma by LC-MS/MS and its pharmacokinetics                                                                                                                                      | M. Song, D. Lee, T. Lee, S. Lee                                                                                | J. Chrom. B, 931, 170-173 (2013)                                              | 2013 | South Kor | C18            | 5um, 50 x 2.1  |
| AP1577 | Analysis of acyclovir in vitreous humour by a validated HPLC method                                                                                                                                                  | G.R. Silva, A.S.P. Caldeira, F.M. Damico, R.S. Takahashi, A.                                                   | Pharmazie, 68, 235-239 (2013)                                                 | 2013 | Brazil    | C18            | 5um, 250 x 4.6 |
| AP1578 | Evaluation of biochemical effects of <i>Casuarina equisetifolia</i> extract on gentamicin-induced nephrotoxicity and oxidative stress in rats. Phytochemical analysis                                                | W. H. El-Tantawy, S. A. Mohamed, E.N.A. Haleem                                                                 | J. Clin. Biochem. Nutr., 53 (3), 158-165 (2013)                               | 2013 | Egypt     | C18            | 5um, 250 x 4.6 |
| AP1579 | Intake and time dependence of blueberry flavonoid-induced improvements in vascular function: a randomised, controlled, double-blind, crossover intervention study with mechanistic insights into biological activity | A. Rodriguez-Mateos, C. Rendeiro, T. Bergillos-Meca, S. Tabatabaee, T.W. George, C. Heiss, J.PE Spencer        | Am. J. Clin. Nutr., (2013)                                                    | 2013 | UK        | C18            | 5um, 150 x 2.1 |
| AP1580 | Stability-indicating HPLC-UV for the determination of 4-bromomethyl-3-nitrobenzoic acid, a bioactive nitrocompound                                                                                                   | M.B. de Freitas, E.B. Lages, I.M.B. Goncalves, R.B. de                                                         | J. Chrom. Sci., (2013)                                                        | 2013 | Brazil    | C18            | 5um, 250 x 4.6 |
| AP1581 | Proportions of A1, A2, B and C $\beta$ -casein protein variants in retail milk in the UK                                                                                                                             | Givens, P. Aikman, T. Gibson, R. Brown                                                                         | Food Chemistry, 139, 549-552 (2013)                                           | 2013 | UK        | C18-300        | 5um, 150 x 2.1 |
| AP1582 | A new reagent for stable thiol-specific conjugation                                                                                                                                                                  | G. Badescu, P. Bryant, J. Swierkosz, F. Khayrzad, E.                                                           | Bioconjugate Chemistry, 25, 460-469 (2014)                                    | 2013 | UK        | Excel SuperC18 | 2um, 75 x 2.1  |
| AP1583 | Application of HPLC-ELSD for the quantification of 5-aminolevulinic acid after penetration into human skin ex vivo                                                                                                   | V. Armoskaite, V. Jakstas, L. Ivanauskas, A. Razukas, K. Ramanauskiene, V. Briedis                             | Anal. Lett., 46, 717-733 (2013)                                               | 2013 | Lithuani  | AQ             | 3um, 150 x 4.0 |

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| AP1584 | Simultaneous determination of selected chemotherapeutics in human whole blood by molecularly imprinted polymers coated solid phase microextraction fibres and liquid-chromatography - tandem mass spectrometry | M. Szultka, R. Krzeminski, M. Jackowski, B. Buszewski                                                              | J. Chrom. B, 940, 66-76 (2013)                                  | 2013 | Poland     | C18       | 3um, 150 x 4.6        |
| AP1585 | Structure-efficiency relationship of [1,2,4] triazol-3-ylamines as novel nicotinamide isosteres that inhibit tankyrases                                                                                        | M.D. Schultz, D. Majumdar, D.N. Chin, P.D. Fortin, Y. Feng, T. Gould, C.A. Kirby, T. Stams, N.J. Waters, W. Shao   | J. Med. Chem., 56 (17), 7049-7059 (2013)                        | 2013 | US         | C18       | 3um, 30 x 2.1         |
| AP1586 | Letrozole increases ovarian growth and Cyp17a1 gene expression in the rat ovary                                                                                                                                | I. Ortega, A. Sokalska, J.A. Villanueva, A.B. Cress, D.H. Wong, E. Stenet-Victorin, S.D. Stanley, A.J. Duleba      | Fertil. Steril., 99 (3), 889-896 (2013)                         | 2013 | US         | C18       | 3um, 100 x 2.1        |
| AP1587 | Safety, pharmacokinetics and pharmacodynamics of remogliflozin etabonate, a novel SGLT2 inhibitor, and metformin when co-administered in subjects with type 2 diabetes mellitus                                | E.K. Hussey, A. Kapur, R. O' Connor-Semmes, W. tao, B. rafferty, J.W. polli, C.D. James, R.L. Dobbins              | BMC Pharmacology & Toxicology, 14 (25), (2013)                  | 2013 | US         | C18       | 3um, 50 x 4.6         |
| AP1588 | Integrated redox sensor and effector functions for tetrahydrobiopterin- and glutathionylation-dependent endothelial nitric-oxide synthase uncoupling                                                           | M.J. Crabtree, R. Brixey, H. Batchelor, A.B. Hale, K.M. Channon                                                    | J. Biol. Chem., 288, 561-569 (2013)                             | 2013 | UK         | C18       | 5um, 250 x 4.6        |
| AP1589 | Study of postharvest changes in the chemical composition of persimmon by HPLC                                                                                                                                  | H. Baltacioglu, N. Artik                                                                                           | Turkish Journal of Agriculture and Forestry, 37, 568-574 (2013) | 2013 | Turkey     | C18       | 5um, 250 x 4.6        |
| AP1590 | Development and validation of a stability indicating liquid chromatographic method for simultaneous estimation of dutasteride and tamsulosin in combined dosage form                                           | L. Shivakumar Reddy, S.L.N. Prasad Reddy, G. Srinivas Reddy                                                        | Oriental Journal of Chemistry, 29 (4), 1665-1673 (2013)         | 2013 | India      | C18       | 5um, 250 x 4.6        |
| AP1591 | Pharmacokinetics of flunixin meglumine in mature seine after intravenous, intramuscular and oral administration                                                                                                | M. Pairs-Garcia, L.A. Karriker, A.K. Johnson, B. Kukanich, L. Wulf S. Sander S.T. Millman                          | BMC Veterinary Research, 9:165 (2013)                           | 2013 | US         | C18       | 3um, 150 x 2.1        |
| AP1592 | Determination of benzothiazole and benzotriazole derivatives in tire and clothing textile samples by high performance liquid chromatography-electrospray ionization tandem mass spectrometry                   | R. Avagyan, I. Sadiktsis, G. Thorsen, C. Ostman, R. Westerholm                                                     | J. Chrom. A., 1307, 119-125 (2013)                              | 2013 | Sweden     | C8        | 3um, 50 x 2.1         |
| AP1593 | Variations in the microcystin content of different fish species collected from a eutrophic lake                                                                                                                | J.R. Schmidt, M. Shaskus, J.F. Estenik, C. Oesch, R. Khidekel,                                                     | Toxins, 5, 992-1009 (2013)                                      | 2013 | US         | C18       | 3um, 150 x 2.1        |
| AP1594 | Effects of water-deficit irrigation on hormonal content and nitrogen compounds in developing berries of <i>Vitis vinifera</i> L cv Thompson                                                                    | M. Niculeea, L. Martinez-Lapuente, Z. Guadalupe, M.                                                                | J. Plant Growth Regul. 32, 551-563, (2013)                      | 2013 | Spain      | C18-HL    | 5um, 250 x 4.6        |
| AP1595 | Method development and stability indicating RP-HPLC method for the estimation of montelukast and fexofenadine for bulk and pharmaceutical dosage form                                                          | M.D. Rameezuddin, P.M. Vasanth, T. Ramesh, M. Ramesh                                                               | Int. J. ChemTech Res., 5 (6), 2821-2829 (2013)                  | 2013 | India      | <b>C8</b> | <b>5um, 250 x 4.6</b> |
| AP1596 | Derringer desirability and kinetic plot LC-column comparison approach for MS-compatible lipopeptide analysis                                                                                                   | M. D'Hondt, F. Verbeke, S. Stalmans, B. Gevaert, E. Wynendaele, B. De Spiegeleer                                   | J. Pharm. Sci., Sep 2013                                        | 2013 | Belgium    | C18       | n/a                   |
| AP1597 | Mapping an atlas of tissue-specific drosophila melanogaster metabolomes by high resolution mass spectrometry                                                                                                   | V.R.Chintapalli, M. Al Bratty, D. Korzekwa, D.G. Watson, J.A.T.                                                    | PLOS ONE 8 (10), Oct 2013                                       | 2013 | UK         | SIL       | 3um, 150 x 3.0        |
| AP1598 | The determination of 25-OH vitamin D2/D3 in human serum by liquid chromatography tandem mass spectrometry with comparison to IDS enzyme immunoassay                                                            | S.J. Melhem, K.M.A. Aiedeh, K.A. Hadidi, FerasAlali                                                                | Jordan J. Pharm. Sci., 6 (2) (2013)                             | 2013 | Jordan     | C8        | 5um, 100 x 2.1        |
| AP1599 | Identification, characterization and suppression of side-products formed during the synthesis of high dose 68Ga-DOTA-TATE                                                                                      | L. Mu, R. Hesselmann, U. Oezdemir, L. Bertschi, A. Blainc, M. Dragic, D. Loffler, C. Smuda, A. Johayem, R. Schibli | Applied Radiation and Isotopes, 76, 63-69 (2013)                | 2013 | witzerland | C18       | 3um, 50 x 4.6         |
| AP1600 | Disposition of methylprednisolone acetate in plasma, urine and synovial fluid following intra-articular administration to exercised thoroughbred horses                                                        | H.K. Knych, L.M. Harrison, H.C. Casbeer, D.S. Mckemie                                                              | J. Vet. Pharmacol. Therap. 37, 125-132 (2013)                   | 2013 | USA        | C18       | 3um, 100 x 2.1        |
| AP1601 | Development of a novel amide-silica stationary phase for the reversed-phase HPLC separation of different classes of phytohormones                                                                              | H. Aral, T. Aral, B. Ziyadanogullari, R. Ziyadanogullari                                                           | Talanta, 116, 155-163 (2013)                                    | 2013 | Turkey     | C18       | 5um, 250 x 4.6        |
| AP1602 | Technical note: Fatty acids and purine profile of cecum and colon bacteria as indicators of equine microbial metabolism                                                                                        | A.S. Santos, E. Jeronimo, L.M. Ferreira, M.A.M. Rodrigues, R.J.B. Bessa                                            | J. Animal Science, 91, 1753-1757 (2013)                         | 2013 | Portugal   | C18       | 5um, 250 x 4.6        |

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| AP1603 | Molecularly imprinted solid-phase extraction for selective trace analysis of trifluoperazine                                                                                         | A.M. Attaran, N. Mohammadi, M. Javanbakht, B.Akbari-Adergani                                                     | J. Chrom. Sci. (2013)                                                   | 2013 | Iran        | C18    | 5um, 250 x 4.6 |
| AP1604 | Determination of aristolochic acids in rat serum by high performance liquid chromatography-Q-TOF tandem mass                                                                         | J. Gu, P. Zhang, F. Zhang, H. Shen, B. Yang, X. Liang, X. Chu                                                    | Anal. Metods, 5, 718-721 (2013)                                         | 2013 | China       | C18    | 3um, 150 x 4.6 |
| AP1605 | Pharmacokinetics, safety and tolerability of saroglitazar (ZYH1), a predominantly PPAR $\alpha$ agonist with moderate PPAR $\gamma$ agonist activity in healthy human subjects       | R.H. Jani, K. Kansagra, M.R. Jain, H. Patel                                                                      | Clin. Drug Investig., (2013)                                            | 2013 | India       | C18    |                |
| AP1606 | Cellular impedance assays for predictive preclinical drug screening of kinase inhibitor cardiovascular toxicity                                                                      | S.D. Lamore, H.W. Kamendi, C.W. Scott, Y.P. Dragan, M.F.                                                         | Toxicological Sciences 135 (2), 402-413 (2013)                          | 2013 | USA         | C8     | 3um, 20 x 2.1  |
| AP1607 | Perfluoroalkyl substances in eggs and plasma of an avian top predator, great skua ( <i>Stercorarius skua</i> ), in the North Atlantic                                                | E.H.K. Leat, S. Bourgeon, J.I. Eze, D.C.G. Muir, M. Williamson, J.O. Bustnes, R.W. Furness, K.                   | Environmental Toxicology and Chemistry, 32 (3), 569-576 (2013)          | 2013 | UK          | C18    | 3um, 50 x 2.1  |
| AP1608 | Cardenolides in <i>Digitalis trojana</i> Ivanina, an endemic plant of Ida mountain, Turkey                                                                                           | N. Corduk, C. Aki                                                                                                | Der Pharma Chemica, 5(6), 138-141 (2013)                                | 2013 | Turkey      | C18    | 5um, 250 x 4.0 |
| AP1609 | Biodistribution of 99mTc labelled integrin antagonist                                                                                                                                | B. Jang, S. Park, I.S. Shin, J. Maeng, C. H. Paik                                                                | Toxicol. Res. , 29 (1), 21-25 (2013)                                    | 2013 | Korea       | C18    | 5um, 100 x 4.6 |
| AP1610 | Bioanalytical method development and validation of rizatriptan in human plasma using LC-MS/MS method                                                                                 | S. Velusmy, V. M. Masimukka, S. Chereddy, J.K. Jadapalli, K. Palur, S. C. Archakam, R. K. Kumarachari            | Int. J. Chem. and Anal. Sci., 4, 108-114 (2013)                         | 2013 | India       | C18    |                |
| AP1611 | Screening and determination of drugs in human saliva utilizing microextraction by packed sorbent and liquid chromatography-tandem mass spectrometry                                  | A. Abdel-Rehim, M. Abdel-Rehim                                                                                   | Biomed. Chromatogr., 27, 1188-1191 (2013)                               | 2013 | Sweden      | C18    | 3um, 100 x 3.0 |
| AP1612 | Phytochemical constituents and determination of resveratrol from the roots of <i>Arachis hypogea</i> L.                                                                              | T.P.N. Kim, N.V. Thi, P.T. Van, P.Q.N. Diem, D.N.T. Thuy, Q.T.Thai, P.N.K. Phi                                   | American Journal of Plant Sciences, 4, 2351-2358 (2013)                 | 2013 | Vietnam     | C18    | 3um, 150 x 4.6 |
| AP1613 | Quantification of beta-lactam antibiotics in veterinary drugs: Amoxicillin and ampicillin determination by high performance liquid chromatography                                    | G.C. Miguel, E.A. Orlando, A.V.C. Simionato                                                                      | Quim. Nova, 36 (8), 1214-1221 (2013)                                    | 2013 | Brazil      | C18    | 3um, 150 x 4.6 |
| AP1614 | Radiolabelling and in vitro/in vivo evaluation of N-(1-adamantyl)-8-methoxy-4-oxo-1-phenyl-1,4-dihydroquinoline-3-carboxamide as a PET probe for imaging cannabinoid type 2 receptor | L. Mu, D. Bieri, R. Slavik, K. Drandarov, A. Muller, S. Cermak, M. Weber, R. Schibli, S.D. Kramer, S.M. Ametamey | J. Neurochem., 126, 616-624 (2013)                                      | 2013 | Switzerland | C18    | 3um,           |
| AP1615 | Phenolic acids content and antioxidant capacity of fruit extracts from Thailand                                                                                                      | N. Ongphimai, S. Lilitchan, K. Aryasuk, A. Mumrungsart, K. Krisnangkura                                          | Chiang Mai J. Sci, 40(4), 636-642 (2013)                                | 2013 | Thailand    | C18-AR | 5um, 200 x 4.6 |
| AP1616 | Vitamins, Flavonoids and Phenolic Acid Levels in Early and Late-ripening Apricot ( <i>Prunus armeniaca</i> L.) Cultivars from Thailand                                               | M. Gundogdu, T. Kan, M. K. Geceer                                                                                | HortScience, 48(6), 696-700 (2013)                                      | 2013 | Turkey      | C18    | 5um, 250 x 4.6 |
| AP1617 | Transcriptome and peptidome characterization of the main neuro-peptides and peptidic hormones of a euphausiid: the ice krill, <i>Euphasia crystallorophias</i>                       | J. Toullec, E. Corre, B. Bernay, M.A.S. Thorne, K. Cascella, C. Ollivaux, J. Henry, M.S. Clark                   | PLOS ONE 8 (8) Aug 2013                                                 | 2013 | France      | C18    | 50 x 0.5       |
| AP1618 | Development and validation of a stability-indicating HPLC method for the simultaneous determination of sulfadiazine sodium and trimethoprim in injectable solution formulation       | M.M. Ghanem, S.A. Abu-Lafi                                                                                       | Scientia Pharmaceutica, 81 (91), 167-182 (2013)                         | 2013 | Palestine   | C18    | 5um, 250 x 4.6 |
| AP1619 | A research on the fortification applications for jelly confectionery                                                                                                                 | C.E. Tamer, B. Incedayi, O.U. Copur, M. Karınca                                                                  | J. Food. Ag. And Environ. 11 (2), 152-157 (2013)                        | 2013 | Turkey      | C18    | n/a            |
| AP1620 | Determination of eravirenz in human dried blood spots by reversed-phase high performance liquid chromatography with UV detection                                                     | J.T. Hoffman, S.S. Ross, R. Espina-Quinto, S. Letendre, E.V.                                                     | Ther. Drug Monit., 35 (2) (2013)                                        | 2013 | US          | C18    | 5um, 150 x 4.6 |
| AP1621 | Opiorphin secretion pattern in healthy volunteers: Gender difference and organ specificity                                                                                           | E. Dufour, S. Villard-Saussine, V. Mellon, R. Leandri, P. Jouannet, M.N. Ungeheuer, C.                           | Biochemistry & Analytical Biochemistry, 2 (3), (2015)                   | 2013 | France      | C18    | 5um, 150 x 4.6 |
| AP1622 | Development and validation of an HPLC method for the simultaneous determination of artesunate and mefloquine hydrochloride in fixed-dose combination tablets                         | F.H.A. Nogueira, N.F.A. Reis, P.R. Chellini, I. Da Costa Cesar, G.A. Pianetti                                    | Brazilian Journal of Pharmaceutical Sciences, 49 (4), Oct/Dec 2013      | 2013 | Brazil      | C18    | 5um, 250 x 4.6 |
| AP1623 | Development and validation of RP-HPLC method for simultaneous determination of eperisone hydrochloride and paracetamol in synthetic mixture                                          | S.K. Patel, S.R. Prajapati                                                                                       | Inventi Rapid: Pharm Analysis & Quality Assurance, 2013 (2), 1-5 (2013) | 2013 | India       | C18    | 5um, 150 x 4.6 |

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| AP1624 | Sequential coagulation–flocculation, solvent extraction and photo-Fenton oxidation for the valorization and treatment of olive mill effluent                                                                               | P.C. Papaphilippou, C. Yiannapas, M. Politi, V.M. Daskalaki, C. Michael, N. Kalogerakis, D. Mantzavinos, D.                                          | Chemical Engineering Journal, 224, 82–88 (2013)            | 2013 | Cyprus    | C18-AR       | 5um, 250 x 4.6  |
| AP1625 | A critical role for the retinoic acid signaling pathway in the pathophysiology of gastrointestinal graft-versus-host disease                                                                                               | X. Chen, J. Dodge, R. Komorowski, W.R. Drobyski                                                                                                      | Blood 121 (19), 3970–3980 (2013)                           | 2013 | USA       | C18-PFP      | 5um, 250 x 2.1  |
| AP1626 | A pivotal role for tryptophan 447 in enzymatic coupling of human endothelial nitric oxide synthase (eNOS)                                                                                                                  | M.A. Benson, H. Batchelor, S. Chuaiphichai, J. Bailey, H. Zhu, D.J. Stuehr, S. Bhattacharya, K.M. Channon, M.J. Crabtree                             | J. Biol. Chem., 288 (41), 29836–29845 (2013)               | 2013 | UK        | C18          |                 |
| AP1627 | Glucosylsphingosine is a highly sensitive and specific biomarker for primary diagnostic and follow-up monitoring in gaucher disease in a non-Jewish, Caucasian cohort of gaucher disease patients                          | A. Rolfs, A. Giese, U. Grittner, D. Mascher, D. Elstein, A. Zimran, T. Bottecher, J. Lukas, R. Hubner, U. Golnitz, A. Rohle, A. Dudsek, W. Meyer, M. | PLOS ONE 8 (11) (2013)                                     | 2013 | Germany   | C8           | 3um, 50 x 2.1   |
| AP1628 | Fragments of the bacterial toxin microcin B17 as gyrase poisons                                                                                                                                                            | F. Collin, R.E. Thompson, K.A. Jolliffe, R.J. Payne, A. Maxwell                                                                                      | PLOS ONE, 8 (4), 2013                                      | 2013 | UK        | C18-300      | 5um, 250 x 21.2 |
| AP1629 | Development and validation of HPLC assay method for the acamprosate Ca in commercial tablets                                                                                                                               | C. Babu, B.S. Rao, K.V.N.S. Reddy, B. Naganjaneyulu                                                                                                  | Indian J. Adv. Chem. Sci., 2 (1), 46–49 (2013)             | 2013 | India     | Phenyl       | 5um, 250 x 4.6  |
| AP1630 | Extraction of synthetic cannabinoids (SPICE) from oral fluid using ISOLUTE SLE+ 96-well plates and columns prior to LC-MS/MS                                                                                               |                                                                                                                                                      | Biotage application note AN791                             | 2013 | US        | Excel C18-AR | 2um, 100 x 2.1  |
| AP1631 | Disposition and metabolism of darapladib, a lipoprotein-associated phospholipase A2 inhibitor, in humans                                                                                                                   | M. Dave, M. Nash, G.C. Young, H. Ellens, M.H. Magee, A.D.                                                                                            | Drug Metabolism and Disposition 42, 415–430 (2014)         | 2014 | USA       | C18          | 3um, 50 x 2.1   |
| AP1632 | A sensitive liquid chromatography–tandem mass spectrometric assay for the determination of artemether and its active metabolite dihydroartemisinin in human plasma                                                         | B.P. Tummuru, N.R. Pilli, B.R. Bhukya, G.S.D                                                                                                         | Int. J. Pharmacy, 4 (1), 77–85 (2014)                      | 2014 | India     | C18          | 5um, 100 x 4.6  |
| AP1633 | HPLC–FLD method for itraconazole quantification in poly lactic-co-glycolic acid nanoparticles, plasma and tissue                                                                                                           | K.R. Py-Daniel, O. R. Pires, C.M. Cordova, M.L. Fascineli, G. P. de A. Pereira, C. A. de A. Pereira                                                  | J. Braz. Chem. Soc., 25 (4), 697–703 (2014)                | 2014 | Brazil    | AQ           | 5um, 250 x 4.0  |
| AP1634 | Effects of parasitism and envenomation by <i>Pimpla turionellae</i> (Hymenoptera: ichneumonidae) on hemolymph free amino acids of <i>Galleria mellonella</i> (Lepidoptera: pyralidae)                                      | O. Sak, F. Uekan, E. Ergin, H. Altuntas, A. Er                                                                                                       | J. Entomol. Res. Soc., 16 (1), 1–20 (2014)                 | 2014 | Turkey    | C18          | 5um, 125 x 4.0  |
| AP1635 | Effects of three antagonists on selected pharmacodynamics effects of sublingually administered detomidine inn the horse                                                                                                    | H.K. Knych, S.D. Stanley                                                                                                                             | Veterinary Anaesthesia and Analgesia, 41, 36–47 (2014)     | 2014 | USA       | C18          | 3um, 100 x 2.1  |
| AP1636 | Plasma and red cell reference intervals of 5-methyltetrahydrofolate of healthy adults in whom biochemical functional deficiencies of folate and vitamin B12 had been excluded                                              | A. Sobczynska-Malefora, D. J. Harrington, K. Voong, M.J. Shearer                                                                                     | Hindawi Publishing Corp., Advances in Hematology vol. 2014 | 2014 | UK        | C18          | 3um, 125 x 4.6  |
| AP1637 | Induction of gliotoxin secretion in <i>aspergillus fumigatus</i> by bacteria-associated molecules                                                                                                                          | K.S. Svahn, U. Goransson, E. Chrystanthou, B. Olsen, J.                                                                                              | PLOS One, 9 (4), (2014)                                    | 2014 | Sweden    | C18          | 5um, 250 x 4.6  |
| AP1638 | Demonstration of antibiotic-induced tolerance development in tropical agroecosystems through physiological profiling of sediment microbial communities                                                                     | M. Arias-Andres, C. Ruepert, F. Garcia-Santamaria, C. Rodriguez                                                                                      | PeerJ PrePrints Jan 2014                                   | 2014 | Costa Ric | C18          | 5um, 150 x 3.0  |
| AP1639 | Genome-wide transcriptome and antioxidant analysis of irradiated phases of <i>deinococcus radiodurans</i> R1                                                                                                               | H. Luan, N. Meng, J. Fu, X. Chen, X. Xu, Q. Feng, H. Jiang, J. dai, X. Luo, M. Chen, S. Xu, J. Li, C.J. Hamilton, C. Fang, J.                        | PLOS ONE. Jan 2014                                         | 2014 | Taiwan    | C18-AR       | 5um, 250 x 4.6  |
| AP1640 | Elucidating the mechanism of cytochrom P450-mediated pyrimidine ring conversion to pyrazole metabolites with the BACE1 inhibitor GNE-892 in rats                                                                           | R. Takahashi, S. Ma, A. Deese, Q. Yue, H. Kim-Kang, Y. Yi, M. Siu, K.W. Hunt, N.C. Kallan, C.Hop, X. Liu, S. Khojasteh                               | DMD Fast Forward, March 2014                               | 2014 | US        | C18-AR       | 3um, 150 x 4.6  |
| AP1641 | nucleoside 2'-deoxyribosyltransferase from psychrophilic bacterium <i>Bacillus psychrosaccharolyticus</i> - preparation of an immobilized biocatalyst for the enzymatic synthesis of the anti-hepatitis B virus nucleoside | A. Fresco-Taboada, I. Serra, J.Fernandez-Lucas, C. Acebal, M. Arroyo, M. Terreni, I.de la Mata                                                       | Molecules, 19, 11231–11249 (2014)                          | 2014 | Spain     | C18-PFP      | 5um, 250 x 4.6  |
| AP1642 | Quantification of aflatoxins in pistachios and groundnuts using HPLC–FLD method                                                                                                                                            | F. Hepsag, O. Golge, B. Kabak                                                                                                                        | Food Control, 38, 75–81 (2014)                             | 2014 | Turkey    | C18          | 5um, 250 x 4.6  |

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| AP1643 | Dereplication strategies for targeted isolation of new antityranosomal actinosporins A and B from a marine sponge associated - <i>Actinokineospora</i> sp. EG49                                                                           | U.R. Abdelmohsen, C. Cheng, C. Viegelmann, T. Zhang, T. Grkovic, S. Ahmed, R.J. Quinn, U. Hentschel, R. Edrada-ebel                                                        | Marine Drugs, 12, 1220-1244 (2014)                                             | 2014 | Germany | C18     | 5um, 75 x 3.0  |
| AP1644 | Effects of bread making and wheat germ addition on the natural deoxynivalenol content in bread                                                                                                                                            | I. Gimenez, J. Blesa, M. Herrera, A. Arino                                                                                                                                 | Toxins, 6, 394-401 (2014)                                                      | 2014 | Spain   | C18     | 5um, 250 x 4.6 |
| AP1645 | Validation of RP-HPLC method for the estimation of secnidazole in bulk and its pharmaceutical dosage forms                                                                                                                                | K.S. Reddy, B. Ramachandra, N.V.S. Naidu                                                                                                                                   | Int. J. Scientific & Engineering Research, 5 (8), 1250-1261 (2014)             | 2014 | India   | C8      | 5um, 150 x 4.6 |
| AP1646 | A simple HPLC-UV method for the determination of clindamycin in human plasma                                                                                                                                                              | M. Mifsud, J. Vella, V. Ferrito, A. Samraiz, Inelatt, J. M.                                                                                                                | J. Chem. And Phar., Res., 6 (10), 606-704 (2014)                               | 2014 | Malta   | C18     | 5um, 250 x 4.6 |
| AP1647 | A novel derivatization method for the determination of fosfomycin in human plasma by liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometric detection via phase transfer catalyzed derivatization | T.A. Papakondyli, A. Gremiligianni, N.C. Megoulas, M.A. Koupparis                                                                                                          | J. Chrom. A, 1332, 1-7 (Mar 2014)                                              | 2014 | Greece  | C18-PFP | 5um, 150 x 4.0 |
| AP1648 | Antiaflatoxigenic activity of Carum copticum essential oil                                                                                                                                                                                | M.R.R. Kahkha, S. Amanloo, M. Kaykhahi                                                                                                                                     | Environ. Chem. Lett. , 12, 231-234 (2014)                                      | 2014 | Iran    | C18     | 5um, 150 x 4.6 |
| AP1649 | Identification of the major ACE-inhibitory peptides produced by enzymic hydrolysis of a protein concentrate from cuttlefish water                                                                                                         | I.R. Amado, J.A. Vazquez, P. Gonzalez, D. Esteban-Fernandez, M. Carrera, C. Pineiro                                                                                        | Marine Drugs, 12, 1390-1405 (2014)                                             | 2014 | Spain   | C18     | 5um, 250 x 10  |
| AP1650 | HPLC method development, validation and impurity characterization for an antitumour Hsp90 inhibitor - PU-H71 (NCC 750190)                                                                                                                 | M. Liu, J. Wang, X. Wu, E. Wang, D. Baptsta, B. Scott, P.                                                                                                                  | J. Pharm. & Biomed. Anal., 89, 34-41 (2014)                                    | 2014 | US      | C18     | 3um, 150 x 4.6 |
| AP1651 | Radiolabelling of HTEIPA: A new monopicolinate cyclam derivative for Cu-64 phenotypic imaging. In vitro and in vivo stability studied in mice                                                                                             | M. Frindel, N. Camus, A. Rauscher, M. Bourgeois, C. Alliot, L. Barre, J. Gestin, R. Tripiet, A. Faivre-Chauvet                                                             | Nuclear Medicine and Biology (2014)                                            | 2014 | France  | C18     | 3um, 150 x 3   |
| AP1652 | A rapid HPLC method for determination of 4-hexylresorcinol residues in shrimp                                                                                                                                                             | A. Selcuk, O. Ozden                                                                                                                                                        | J. Fisheries Sciences 2014                                                     | 2014 | Turkey  | C18     | 5um, 250 x 4.6 |
| AP1653 | Effect of farming systems on the yield, quality parameters and sensory properties of conventionally and organically grown potato ( <i>Solanum tuberosum</i> L.) tubers                                                                    | V. Brazinskiene, R. Asakaviciute, A. Miezeleiene, G. Alencikiene, L. ivanauskas, V. Jakstas, P. Viskelis, A. Razukas                                                       | Food Chem., 145, 903-909 (2014)                                                | 2014 | Lithuan | C18     | 5um, 250 x 4.6 |
| AP1654 | Melatonin as a potential therapy for sepsis: a phase I dose escalation study and an ex vivo whole blood model under conditions of sepsis                                                                                                  | H.F. Galley, D.A. Lowes, L. Allen, G. Cameron, L.S. Aucott, N.R. Webster                                                                                                   | J. Pineal Res. (2014)                                                          | 2014 | UK      | C18     | 3um, 150 x 2.1 |
| AP1655 | Development and validation of reverse phase high performance liquid chromatographic method for estimation of chlorhexidine gluconate in mouthwash                                                                                         | P.U. Patel, S.A. Patel                                                                                                                                                     | Am. J. Pharm. Tech. Res., 4 (2), 404-413 (2014)                                | 2014 | India   | C18     | 5um, 150 x 4.6 |
| AP1656 | Identification of in vitro metabolites of amoxicillin in human liver microsomes by LC-ESI/MS                                                                                                                                              | M. Szultka, R. Krzeminski, M. Jackowski, B. Buszewski                                                                                                                      | Chromatographia, Mar 2014                                                      | 2014 | Poland  | C18     | 3um, 150 x 4.6 |
| AP1657 | Oral and topical boswellic acid attenuates mouse osteoarthritis                                                                                                                                                                           | Q. Wang, X. Pan, H.H. Wong, C.A. Wagner, L.J. Lahey, W.H. Robinson, J. Sokolove                                                                                            | Osteoarthritis and Cartilage, 22, 128-132 (2014)                               | 2014 | US      | C18     | 3u, 50 x 2.1   |
| AP1658 | Nonlethal amphibian skin swabbing of cutaneous natural products for HPLC fingerprinting                                                                                                                                                   | T.P. Umile, P.J. McLaughlin, K.R. Johnson, S. Honarvar, A.L. Blackman, E.A. Burzynski, R.W. davis, T.L. Teotonio, G.W. Hearn, C.A. Hughey, A.F. Lagalante, K.P.C. Minbiole | Royal Society of Chemistry Analytical Methods, 2014                            | 2014 | US      | C18     | 3um, 150 x 4.6 |
| AP1659 | Finger printing and quantitative analysis of <i>Cuscuta chinensis</i> flavonoid contents from different hosts by RP-HPLC                                                                                                                  | M. Shekarchi, B. M. Kondori, H. hajimehdipoor, L. Abdi, M. Naseri, M. Pourfarzib, G. Amin                                                                                  | Food and Nutrition Sciences, 5, 914-921 (2014)                                 | 2014 | Iran    | C18     | 5um, 250 x 4.6 |
| AP1660 | Direct anthelmintic effects of condensed tannins from diverse plant sources against <i>Ascaris suum</i>                                                                                                                                   | A.R. Williams, C. Fryganas, A. Ramsay, I. Mueller-Harvery, S.M. Thamsborg                                                                                                  | PLOS ONE 9 (5), May 2014                                                       | 2014 | UK      | C18     | 3um, 250 x 4.6 |
| AP1661 | Piper betle leaves: Profiling phenolic compounds by HPLC/DAD-ESI/MSn and anti-cholinesterase activity                                                                                                                                     | F. Ferreres, A.P. Oliveira, A. Gil-Izquierdo, P. Valentao, P.B. Andrade                                                                                                    | Phytochemical Analysis, 2014                                                   | 2014 | Spain   | C18-AR  | 3um, 150 x 0.5 |
| AP1662 | Implementation of Qbd approach to the RP-HPLC method development and validation of roflumilast in bulk and tablet dosage form: An application in degradation study                                                                        | A.D. Shah, C.N. Patel                                                                                                                                                      | World Journal of Pharmacy and Pharmaceutical Sciences, 3 (6), 2281-2307 (2014) | 2014 | India   | C18     | 5um, 150 x 4.6 |



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| AP1663 | Development and validation of stability indicating RP-HPLC assay method for cefixime trihydrate and ornidazole in bulk drug and combined tablet dosage form | R. Badmanaban, U. Patel, A. Patel, C Patel                                                                                                                 | Int. J. Pharmaceutical Research and Bioscience, 3 (3), 326-342 (2014)          | 2014 | India                           | C18     | 5um, 150 x 4.6  |
| AP1664 | Estimation of fluticasone propionate in nasal preparation and in combination with formoterol fumarate in inhalation preparation                             | P.P. Raval, J.B. Dave, M.P. Joshi, B.K. Solanki                                                                                                            | World Journal of Pharmacy and Pharmaceutical Sciences, 3 (6), 1148-1160 (2014) | 2014 | India                           | C18     | 5um, 150 x 4.6  |
| AP1665 | Optimisation of gradient elution with serially-coupled columns. Part 1. Single linear gradients                                                             | C. Ortiz-Bolsico, J.R. Torres-Lapasio, M.C. Garcia-Alvarez-Coque                                                                                           | J. Chrom. A, 1350, 51-60 (2014)                                                | 2014 | Spain                           | Various |                 |
| AP1666 | Tire tread wear particles in ambient air - a previously unknown source of human exposure to the biocide 2-mercaptobenzothiazole                             | R. Avagyan, I. Sadiktsis, C. Bergvall, R. Westerholm                                                                                                       | Environ. Sci. Pollut. Res., 21, 11580-11586 (2014)                             | 2014 | Sweden                          | C8      | 3um, 50 x 2.1   |
| AP1667 | Interactions between amphibians' symbiotic bacteria cause the production of emergent anti-fungal metabolites                                                | A.H. Loudon, J.A. Holland, T.P. Umile, E.A. Burzynski, K.P.C. Minbiole, R.N. Harris                                                                        | Frontiers in Microbiology, 5, 441 (2014)                                       | 2014 | US                              | C18     | 3um, 150 x 4.6  |
| AP1668 | Determination and structural elucidation of triacylglycerols in krill oil by chromatographic techniques                                                     | P. Araujo, H. Zhu, J. F. Breivik, J.I. Hjelle, Y. Zeng                                                                                                     | Lipids, 49, 163-172 (2014)                                                     | 2014 | Norway                          | C18     | 5um, 125 x 2.1  |
| AP1669 | A study on the quality criteria of some mandarin varieties and their suitability for juice processing                                                       | E. Agcam, A. Akyildiz                                                                                                                                      | J. Food Processing, Article ID. 982721 (2014)                                  | 2014 | Turkey                          | C18     | 250 x 4.6       |
| AP1670 | In-house validation of a method for determining aflatoxins B1, B2, G1 and G2 in wheat and wheat by-products                                                 | F.M. Trombete, T.B. Santos, G.M. Direito, M.E. Fraga, T.                                                                                                   | Pesq. Agropec. Trop. Goiania, 44 (3), 255-262 (2014)                           | 2014 | Brazil                          | C 18    | 5um, 250 x 4.6  |
| AP1671 | Binding of glutathione to enterovirus capsids is essential for virion morphogenesis                                                                         | H. Jan Thibaut, L. van der Linden, P. Jiang, B. Thys, M. canela, L. Aguado, B. Rombaut, E. Wimmer, A. paul, M. Perez-Perez, F.J.M. van Kuppeveld, J. Neyts | PLOS Pathogens, 10 (4), (2014)                                                 | 2014 | Belgium, Netherlands, US, Spain | C18-300 | 5um, 150 x 4.6  |
| AP1672 | Novel insights into amylin aggregation                                                                                                                      | K. Pillay, P. Govender                                                                                                                                     | Biotechnology & Biotechnological Equipment, 28 (1), 123-135 (2014)             | 2014 | South Africa                    | C18     | 250 x 21.2      |
| AP1673 | Pomegranate juice affects on pharmacokinetic parameters of metronidazole by using HPLC-MS                                                                   | H.T. Abu Tbeekh, W.A. Abu Dayyih, E.M. Mallah, N.A. Qinna, R.M. awad, T.A. Arafat                                                                          | World Journal of Pharmacy and Pharmaceutical Sciences, 3 (7), 150-164 (2014)   | 2014 | Jordan                          | C18     | 5um, 50 x 2.1   |
| AP1674 | Development of HPLC-MS/MS method for the simultaneous determination of environmental phenols in human urine                                                 | Q. W. Gavin, R. T. Ramage, J. M. Waldman, J. She                                                                                                           | Intern. J. Environ. Anal. Chem., 94 (2), 168-182                               | 2014 | USA                             | C18-PFP | 3um, 100 x 4.6  |
| AP1675 | Phenolic compounds and vitamins in wild and cultivated apricot (prunus armeniaca L.) fruits grown in irrigated and dry farming conditions                   | T. Kan, M. Gundogdu, S. Ercisli, F. Muradoglu, F. Celik, M.K. Gecer, O. Kodad, M. Zia-Ul-Haq                                                               | Biological Research, 47 (46), (2014)                                           | 2014 | Turkey                          | C18     | 5um 250 x 4.6   |
| AP1676 | Identification and anti-oxidant capacity determination of phenolics and their glucosides in elderflower by on-line HPLC-CUPRAC method                       | S.E. Celik, M. Ozyurek, K. Guclu, E. Capanoglu, R. Apak                                                                                                    | Phytochem. Anal. 25, 147-154 (2014)                                            | 2014 | Turkey                          | C18     | 5um, 250 x 4.6  |
| AP1677 | Molecular mechanism of Aurora A kinase autophosphorylation and its allosteric activation by TPX2                                                            | A. Zorba, V. Buosi, S. Kutter, N. Kern, F. Pontiggia, Y. Cho, D. Kern                                                                                      | eLife 2014                                                                     | 2014 | USA                             | C18-AR  | 5um,            |
| AP1678 | Metabolic tools for secondary metabolite discovery from marine microbial symbionts                                                                          | L. Macintyre, T. Zhang, C. Viegemann, I.J. Martinez, C. Cheng, C. Dowdells, U.R. Abdelmohsen, C. Gernert, U. Hentschel, R. Edrada-Ebel                     | Marine Drugs, 12, 3416-3448 (2014)                                             | 2014 | UK                              | C18     | 5um, 75 x 3.0   |
| AP1679 | Adlumiceine methyl ester, a new alkaloid from Fumaria vaillantii                                                                                            | M. Iranshahy, H.Javidi-Shirazi, N.B. Pham, R.J. Quinn, H. Sadeghian, M. Iranshahi                                                                          | Journal of Asian Natural products Research, 16 (12), 1148-1152 (2014)          | 2014 | Iran                            | C18     | 5um, 250 x 21.2 |
| AP1680 | The isolation of anti-protozoal compounds from Libyan propolis                                                                                              | W. Siheri, J.O. igoli, A.I. Gray, T.G. Nascimento, T. Zhang, J. Feranley, C.J. Clements, K.C. Carter, J. carruthers, R.E. Ebel, D.G. Watson                | Phytotherapy research, 28 (9), 1756-1760 (2014)                                | 2014 | UK                              | C18     | 3um, 150 x 3.0  |
| AP1681 | Effect of drying temperatures on the phenolic composition and antioxidant activity of pears of Rocha variety (Pyrus communis L.)                            | S.C.R.V.L. Santos, R.P.F. Guine, A. Barros                                                                                                                 | Food Measure 8, 105-112 (2014)                                                 | 2014 | Portuga                         | C18     | 5um, 250 x 4.6  |
| AP1682 | The adsorption of ochratoxin A by Lactobacillus species                                                                                                     | M. Piotrowska                                                                                                                                              | Toxins, 6, 2826-2839 (2014)                                                    | 2014 | Poland                          | C18     | 5um, 250 x 4.6  |

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| AP1683 | Fusarium graminearum possesses virulence factors common to Fusarium head blight of wheat and seedling rot of soybean but differing in their impact on disease severity                          | L. Sella, K. Gazzetti, C. Castiglioni, W. Schafer, F. Favaron                                                                                                                                                                        | Mycology, 104 (11), 1201-1207 (2014)                                                 | 2014 | Germany    | C18     | 3um, 100 x 2.1   |
| AP1684 | Bioequivalence and dose proportionality of inhaled fluticasone furoate                                                                                                                          | A. Allen, J. Bal, A. Moore, S. Stone, L. Tombs                                                                                                                                                                                       | Bioequivalence and Bioavailability, 6 (1), 24-32 (2014)                              | 2014 | UK         | C18     | 3um, 50 x 2.1    |
| AP1685 | Tolerability of fluticasone furoate/vilanterol combination therapy in children aged 5 to 11 years with persistent asthma                                                                        | A. Oliver, S. VanBuren, A. Allen, M. Hamilton, L. Tombs, A. Inamdar, R. Kempsford                                                                                                                                                    | Clinical Therapeutics, 36(6), 928-939, (2014)                                        | 2014 | UK         | C18     | 3um, 50 x 2.1    |
| AP1686 | Chromatographic analysis with different detectors in the chemical characterization and dereplication of African propolis                                                                        | T. Zhang, R. Omar, W. Smeri, S. Al Mutairi, C. Clemets, J. Fearnely, R. Edrada-ebel, D.                                                                                                                                              | Talanta, 120, 181-190 (2015)                                                         | 2014 | UK         | C18     | 3um, 150 x 3.0   |
| AP1687 | Altitudinal changes in the content of bioactive substances in Hypericum orientale and Hypericum pallas                                                                                          | N. Camas, J. Radusiene, L. Ivanauskas, V. Jakstas, C. Cirak                                                                                                                                                                          | Acta Physiol. Plant, 36, 675-686 (2014)                                              | 2014 | Turkey     | C18     | 5um, 250 x 4.6   |
| AP1688 | Pharmacokinetics, electrophysiological and morphological effects of the intravitreal injection of mycophenolic acid in rabbits                                                                  | F. Gasparini, K.G. Aguiar, G.L. Ioshimoto, A. Silva-Cunha, S. L. Fialho, A.M. Liber, B.V. Nagy, N.N. Oiwa, M.F. Costa, C. Joslevitch, D.F. Ventura, F.M. Damasceno                                                                   | Journal of Ocular Pharmacology and Therapeutics, 30 (6), 502-510 (2014)              | 2014 | Brazil     | C18     | 5um, 250 x 4.6   |
| AP1689 | Method validation of E-4-(3',4'-dimethoxyphenyl)-but-3-en-1-ol in Zingiber cassumunar Roxb. With different extraction techniques                                                                | J. Suksaeree, F. Madaka, C. Monton, A. Sakunpak, T. Chusut, T. Charoonratana                                                                                                                                                         | International Journal of Pharmacy and Pharmaceutical Sciences, 6 (3), 295-298 (2014) | 2014 | Thailand   | C18     | 5um, 250 x 4.6   |
| AP1690 | Determination of E-4-(3',4'-dimethoxyphenyl)-but-3-en-1-ol content in Zingiber cassumunar Roxb. (Plai) patches                                                                                  | J. Suksaeree, C. Monton, L. Charoenchai, F. Madaka, T. Chusut                                                                                                                                                                        | International Journal of Pharmacy and Pharmaceutical Sciences, 6 (5), 434-436 (2014) | 2014 | Thailand   | C18     | 5um, 250 x 4.6   |
| AP1691 | Development of peptide-based lineage-specific serology for chronic Chagas disease: Geographical and clinical distribution of epitope recognition                                                | T. Bhattacharyya, A.K. Falconar, A.O. Luquetti, J.A. Costales, M.J. Grijalva, M.D. Lewis, L.A. Messenger, T.T.                                                                                                                       | Ramirez, F. Guhl, H.J. Carrasco, P. Diosque, L. Garcia, S.V. Litvinov, M.A. Miles    | 2014 | UK         | C18-300 | 10um, 250 x 21.2 |
| AP1692 | Conjugation of a brain-penetrant peptide with neurotensin provides antinociceptive properties                                                                                                   | M. Dendieffe, N. Beaudet, A. Regina, E. Besserer-Offroy, A. Murza, P. Tetreault, K. Belleville, C. Che, A. Larocque, C. Thiot, R. Beliveau, JM Longpre, E. Marsault, R. Leduc, J.E. Lachowicz, S.L. Gonias, JP Costantini, P. Sarrut | The Journal of Clinical Investigation, 124 (3), 1199-1213 (2014)                     | 2014 | Canada     | C18     | 5um, 100 x 2.1   |
| AP1693 | Changes in the content of bioactive substances among Hypericum montbretii populations from Turkey                                                                                               | N. Camas, J. Radusiene, L. Ivanauskas, V. Jakstas, N. G.                                                                                                                                                                             | Rev. Bras. Farma, 24, 20-24 (2014)                                                   | 2014 | Turkey     | C18     | 5um, 250 x 4.6   |
| AP1694 | Chromatographic determination of clopidigrel bisulfate: detection and quantification of counterfeit Plavix tablets                                                                              | M.E. Eitantawy, L.I. Beaway, R.F. Shokry                                                                                                                                                                                             | Bulletin of Faculty of Pharmacy, Cairo University, 52, 91-101                        | 2014 | Egypt      | C18-AR  | 5um, 250 x 4.6   |
| AP1695 | Characterisation of estrogen and androgen activity of food contact materials by different in vitro bioassays (YES, YAS, ER $\alpha$ and AR CALUX) and chromatographic analysis (GC-MS, HPLC-MS) | J. Mertl, C. Kirchnawy, V. Osorio, A. Grininger, A. Richter, J. Berrhmail, M. Pyerin, M. Washuttl, M. Tacker                                                                                                                         | PLOS ONE, 9 (7), (2014)                                                              | 2014 | Austria    | C18-AR  | 3um, 150 x 3.0   |
| AP1696 | Bufotenine is able to block rabies virus infection in BHK-21 cells                                                                                                                              | H. Vigerelli, J.M. Sciani, C. Jared, M.M. Antoniazzi, G.M.M. Caporale, A. de Cassia Rodrigues da Silva, D.C. Pimenta                                                                                                                 | J. Venomous Animals and Toxins, 20 (45), (2014)                                      | 2014 | Brazil     | C18     | 5um, 250 x 4.6   |
| AP1697 | Adulteration determining of pharmaceutical forms of Ginkgo biloba extracts from different international manufacturers                                                                           | L.O. Demirezer, A. Buyukkaya, E. Ucakturk, A.Kuruuzum-Uz, Z. Guvenalp, E. Palaska                                                                                                                                                    | Rec. Nat. Prod., 8 (4), 394-400 (2014)                                               | 2014 | Turkey     | C18     | 5um, 150 x 4.0   |
| AP1698 | Identification, isolation and characterization of new impurity in donepezil hydrochloride                                                                                                       | N. Jagadeesh, Y. RavindraKumar, A. Jayashree, S. Mohanty, K.K. Jain                                                                                                                                                                  | J. Pharmacy Research 8 (7), 907-914                                                  | 2014 | India      | C18     | 5um, 250 x 4.6   |
| AP1699 | Phenolic and antioxidant profiles of rowan (Sorbus L.) fruits                                                                                                                                   | R. Raudonis, L. Raudone, K. Gaivelyte, P. Viskelis, V. Janulis                                                                                                                                                                       | Nat. Prod. Res., (2104)                                                              | 2014 | Lithuanian | C18     | 3um, 150 x 4.6   |
| AP1700 | Isolation and identification of antitrypanosomal and antimycobacterial active steroids from the sponge Haliclona simulans (supplementary info available)                                        | C. Viegelmann, J. Parker, T. Ooi, C. Clements, G. Abbott L. Young, J. Kennedy, A. Dobson                                                                                                                                             | Marine Drugs, 12, 2937-2952 (2014)                                                   | 2014 | UK         | C18     | 5um, 75 x 3.0    |

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| AP1701 | Antileishmanial and antitrypanosomal activity of the cutaneous secretion of <i>Siphonops annulatus</i>                                                | E. Pinto, M. Antoniazzi, C. Jared, A. Tempone                                                                                                               | J. Venomous Animals and Toxins, 20 (50) (2014)                                          | 2014 | Brazil    | C18     | 5um, 250 x 4.6  |
| AP1702 | A rapid reverse phase HPLC dissolution method development and validation of imatinib mesylate tablets dosage form                                     | T. Shan, N. Shan, R. Brahmhatt, D. Saptarshi, R.                                                                                                            | Int. J. Pharmaceutival Research and Bioscience, 3(4), 64–82 (2014)                      | 2014 | India     | Phenyl  | 5um, 150 x 4.6  |
| AP1703 | Extraction and quantification of ironoxican in human plasma by liquid chromatography–tandem mass spectrometry in positive ion                         | N.K. Sahoo, M. Sahu, P.S. Rao, G. Ghosh                                                                                                                     | Asian Journal of Chemistry, 26 (8), 2452–2458 (2014)                                    | 2014 | India     | C18     | 5um, 150 x 4.6  |
| AP1704 | Biochemical and genotoxic effects of a commercial formulation of the herbicide tebuthiuron in <i>Oreochromis niloticus</i> of different sizes         | M.F. Franco Bernardes, L.R. Maschio, M.T.V. de AzeredopOliveira, E.A. de Almeida                                                                            | Ecotoxibol. Environ. Contam., 9(1), 59–67 (2014)                                        | 2014 | Brazil    | C18     | 5um, 250 x 4.6  |
| AP1705 | Development and validation of RP–HPLC method for simultaneous estimation of metformin HCl and sitagliptin in bulk and its pharmaceutical formulations | K.P. Latha, D. Ramachandran                                                                                                                                 | Der Pharmacia Lettre, 6 (4), 515–521 (2014)                                             | 2014 | India     | C18     | 5um, 150 x 4.6  |
| AP1706 | Synthesis, 68Ga–radiolabelling and preliminary in vivo assessment of a depsipeptide–derived compound as a potential PET/CT infection imaging agent    | B.B. Mokareng, I. Eoennan, S. Ramesh, T. Govender, H.G. Kruger, R. Parboosing, P.P. Hazari, A.K. Mishra, B.Marjanovic–Painter, J.R. Karamm, M.M. S. Altmann | Biomed Research International (2014)                                                    | 2014 | uth Afr   | C18     | 5um, 150 x 21.2 |
| AP1707 | Liposome encapsulation of ciprofloxacin improves protection against highly virulent <i>Francisella tularensis</i> strain Schu S4                      | K.A. Mahmood, S.J. Armstrong, K.B. Barnes, C. Davies, J.P. Wong, J.D. Blanchard, S.V. Harding, A.J.H. Simpson, H.S. Alshamirani                             | Antimicrobial Agents and Chemotherapy, 58 (6), 3053–3059, (2014)                        | 2014 | USA       | C18–HL  | 3um, 20 x 2.1   |
| AP1708 | Gallium–68 DOTATATE production with automated PET radiopharmaceutical synthesis system: A three year experience                                       | A. Aslani, G.M. Snowdon, D.L. Bailey, G.P. Schembri, A.A. Bailey, P.J. Roach                                                                                | Asia Oceania Journal of Nuclear Medicine and Biology, 2 (2), 75–86 (2014)               | 2014 | Australia | C18     | 3um, 150 x 3    |
| AP1709 | Impacts of TCDD and MeHg on DNA methylation in zebrafish ( <i>Danio rerio</i> ) across two generations                                                | P.A. Olsvik, T.D. Williams, H. Tung, L. Mirbahai, M. sanden, K.H. Skjaerven, S. Ellingsen                                                                   | Comparative Biochemistry and Physiology Part C. Toxicology and Pharmacology, 165, 17–27 | 2014 | Norway    | C18–AR  | 5um, 250 x 4.6  |
| AP1710 | Avermectins differentially affect ethanol intake and receptor function: implications for developing new therapeutics for alcohol use disorders        | L. Asatryan, M.M. Yardley, S. Khoja, J.R. Trudell, N. Hyunh, S.G. Louie, N.A. Petasis, R.L. Alkana, D.L. Davies                                             | International Journal of Neuropsychopharmacology, 17, 907–916 (2014)                    | 2014 | USA       | C18     |                 |
| AP1711 | Echinometrin: A novel mast cell degranulating peptide from the coelomic liquid of <i>Echinometra lucunter</i> sea urchin                              | J.M. Sciani, M.C. Sampaio, B.C. Zychar, L.R. de Camargo Goncalves, R. Giorgi, T. de Oliveira Nogueira, R. Lopes de melo, C. de F. P. Teixeira, D.C. Pimenta | Peptides, 53, 13–21 (2014)                                                              | 2014 | Brazil    | C18     | 5um, 250 x 7.75 |
| AP1712 | Fragment screening reveals salicylic hydroxamic acid as an inhibitor of <i>Trypanosoma brucei</i> GPI GLcNAc–PI de N–acetylase                        | M.D. Othmanak, A.S. Capes, A. Crossman, S.O'neill, S. Thompson, I.H. Gilbert, M.A.J. Ferguson                                                               | Carbohydrate Research, 387, 54–58 (2014)                                                | 2014 | UK        | C18     | 5um, 100 x 1.0  |
| AP1713 | <i>Thermococcus kodakarensis</i> modulates its polar membrane lipids and elemental composition according to growth stage and phosphate availability   | T.B. Meador, E.J. Gagen, M.E. Loscar, T. Goldhammer, M.Y. Yoshinaga, J. Wendt, M.Thomm, K–U. Hinrichsvv                                                     | Frontiers in Microbiology 5 (10) (2014)                                                 | 2014 | Germany   | C18     | 3um,            |
| AP1714 | Root uptake and translocation of perfluorinated alkyl acids by three hydroponically grown crops                                                       | S. Felizeter, M.S. McLachlan, P. de Voogt                                                                                                                   | J. Agric. Food Chem. 62, 3334–3342 (2014)                                               | 2014 | etherlan  | C18–300 | 3um, 150 x 2.1  |
| AP1715 | Plasma lysosphingomyelin demonstrates great potential as a diagnostic biomarker for Niemann–Pick disease type C in a retrospective study              | R.W.D. Welford, M. Garzotti, C.M. Lourenco, E. Mengel, T. Marquardt, J. Reunert, Y. Amraoui, S.A. Kolb, O. Morand, P. Groenen                               | PLoS ONE December 2014                                                                  | 2014 | witzerlan | C8      | 3um, 50 x 2.1   |

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| AP1716 | Discovery of the first C-nucleoside HCV polymerase inhibitor (GS-6620) with demonstrated antiviral response in HCV infected patients                                                       | A. Cho, L. Zhang, J. Xu, R. Lee, T. butler, S. Metobo, V. Aktoudianakis, W. Lew, H. Ye, M. Clarke, E. Doerffler, D. Byunm T. wang, D. Babusis, A. Carey, P. German, D. Sauer, W. Zhong, S. Rossi, M. Fenaux, J. McHutchinson, J. Perry, J. Feng, A. ray, C. Kim | J. Med. Chem., 57, 1812-1825 (2014)                      | 2014 | USA         | C18       | 3um, 50 x 2.1  |
| AP1717 | Validation of a dual LC-HRMS platform for clinical metabolic diagnosis in serum, bridging quantitative analysis and untargeted metabolomics                                                | I.Gertsman, J.A. Gangoiti, B.A. Barshop                                                                                                                                                                                                                         | Metabolomics, 10(2), 3120323 (2014)                      | 2014 | USA         | C18-PFP   | 3um, 150 x 2.1 |
| AP1718 | Evaluation of the glucuronic acid production and other biological activities of fermented sweeten-black tea by Kombucha layer and the co-culture with different lactobacillus Sp. Strains  | N.K. Nguyen, N T.N. Dong, P.H. Le, H.T. Nguyen                                                                                                                                                                                                                  | Int. J. Modern Engineering Research, 4 (5), 12-17 (2014) | 2014 | Vietnam     | C18       | 3um, 150 x 4.6 |
| AP1719 | Challenges in developing a safe nanomedicine based on <i>Ocotea duckei</i> vattimo to Leishmaniasis treatment: methodology, nanoparticle development and cytotoxicity assays               | F.C. Rossetti, S.S. Leal, J.M.B. Filho, E.J. Oliveira, H.S. Barud, J.I. Hori, F. Marquete-Oliveira, A.A. Berretta                                                                                                                                               | Pharmaceutical nanotechnology, 2, 101-114 (2014)         | 2014 | Brazil      | C18       | 5um, 250 x 4.6 |
| AP1720 | Quantification of cell associated atazanavir, darunavir, lopinavir, ritonavir and efavirenz in human mononuclear cell extracts                                                             | A.T. Podany, L.C. Winchester, B.L. Robbins, C.V. Fletcher                                                                                                                                                                                                       | Antimicrobial Agents & Chemotherapy March 2014           | 2014 | USA         | C18       | 100 x 3.0      |
| AP1721 | CD8+ T-cell recognition of a synthetic epitope formed by t-butyl modification                                                                                                              | R.A. Reis, J.E. Redman, P. Rizkallah, C. Fegan, C. Pepper, S. Man                                                                                                                                                                                               | Immunology, 144, 495-505 (2014)                          | 2014 | UK          | Excel C18 | 2um, 100 x 2.1 |
| AP1722 | Pioglitazone HCL levels and its pharmacokinetic application in presence of sucralose in animals serum by HPLC method                                                                       | L. Tamimi, W.A. Dayyih, N. Qinna, E. Mallah, T. Arafat                                                                                                                                                                                                          | Pharm. Anal. Acta 5 (9), (2014)                          | 2014 | Jordan      | C8        | 5um, 250 x 4.6 |
| AP1723 | Reaction of dehydropyrrrolizidine alkaloids with valine and hemoglobin                                                                                                                     | T. Zhao, S. Wang, Q. Xia, G.G. da Costa, D.R. Doerge, L. Cai, P. D. F.                                                                                                                                                                                          | Chemical Research in Toxicology, 27, 1720-1731 (2014)    | 2014 | USA         | C18       | 3um, 100 x 2.1 |
| AP1724 | Microscale methods to rapidly evaluate bioprocess options for increasing bioconversion yields: application to the $\omega$ -transaminase synthesis of chiral amines                        | M. Halim, L.R. Solis, M. Micheletti, J.M. Ward, G.J. Lye                                                                                                                                                                                                        | Bioprocess Biosyst. Eng., 27, 931-941 (2014)             | 2014 | UK          | C18       | 5um, 150 x 4.6 |
| AP1725 | Evaluation of selenium species in selenium-enriched pakchoi ( <i>Brassica chinensis</i> Jusl var <i>parachinensis</i> (Bailey) Tsen & Lee) using mixed ion-pair reversed phase HPLC-ICP-MS | W. Thosaikham, K. Jitmanee, R. Sittipot, S. Manetong, A. Chantiratikul, P. Chantiratikul                                                                                                                                                                        | Food Chemistry, 145, 736-742 (2014)                      | 2014 | Thailand    | C8        | 5um, 150 x 4.6 |
| AP1726 | Determination of small molecule ABAD inhibitors crossing blood brain barrier and pharmacokinetics                                                                                          | J.K. Vangavavaru, K.K. Valasani, D. Fang, T.D. Wu, C.D. V.                                                                                                                                                                                                      | J. Alzheimers Dis., 42(1), 333-344 (2014)                | 2014 | USA         | C18       | 3um, 50 x 2.1  |
| AP1727 | Distribution of antioxidant compounds in the grain of the Mediterranean rice variety 'Ariete'                                                                                              | P. Goufo, L.M.M. Ferreira, H. Trindade, E.A.S. Rosa                                                                                                                                                                                                             | CyTA - Journal of Food 13 (1), 140-150 (2015)            | 2014 | Portugal    | C18       | 5um, 250 x 4.6 |
| AP1728 | Synthesis and preliminary evaluation of a 2-oxoquinoline carboxylic acid derivative for PET imaging the cannabinoid type 2 receptor                                                        | L. Mu, R. Slavik, A. Muller, K. Popaj, S. Cermak, M. Weber, R. Schibli, S.D. Kramer, S.M. Ametamey                                                                                                                                                              | Pharmaceuticals, 7, 339-352 (2015)                       | 2014 | Switzerland | C18       | 3um            |
| AP1729 | Level of residual monomer released from orthodontic acrylic materials                                                                                                                      | R.B. Ica, F. Ozturk, B. Ates, M.A. Malkoc, U. Kelestemur                                                                                                                                                                                                        | Angle Orthodontist, 84 (5), 862-867 (2014)               | 2014 | Turkey      | C18       |                |
| AP1730 | Highly automated nano LC-MS-based approach for thousand cell scale quantification of side chain hydroxylated oxysterols                                                                    | H. Koebig, L. Larsen, K. Lund, I. Vehus, N. Solberg, C. Vesterdal, D. Misaghian, P.A. Olsen, S. Krauss, R.R. Wilson, E. Lundberg                                                                                                                                | J. Lipid Res., 55 (7), 1531-1536 (2014)                  | 2014 | Norway      | C18       | 3um, 150 x 0.1 |
| AP1731 | Layered nanoemulsions as mucoadhesive buccal systems for controlled delivery of oral cancer therapeutics                                                                                   | A. Gavin, JTH Pham, D. Wang, B. Brownlow, TA Elbayoumi                                                                                                                                                                                                          | Dovepress, 10 (1), 1569-1584 (2015)                      | 2015 | USA         | C18-PFP   | 5ym, 250 x 4.6 |
| AP1732 | Simultaneous determination of sildenafil and glimepiride in rat plasma by using LC-MS method and their applications in pharmacokinetic interactions                                        | E. Mallah, N.A. Ani, W.A. Dayyih, N. Qinna, R. Awad, K. Sweidan, T. Arafat                                                                                                                                                                                      | J. Clin. Parm., 1 (2), 1007 (2014)                       | 2014 | Jordan      | C18       | 5um, 50 x 2.1  |
| AP1733 | A simple high performance liquid chromatography method for determination of rebamipide in rat urine                                                                                        | D. Cooper, S. Harirforoosh                                                                                                                                                                                                                                      | MethodsX, 49-55 (2014)                                   | 2014 | USA         | C18       | 5um, 100 x 4.6 |
| AP1734 | HPLC separation of different groups of small polar compounds on a novel amide-embedded stationary phase                                                                                    | H. Aral, T. Aral, K.S. Celik, B. Ziyadanogullari, R. Ziyadanogullari                                                                                                                                                                                            | Chromatographia, 77, 771-781 (2014)                      | 2014 | Turkey      | C18       | 5um, 250 x 4.6 |

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| AP1735 | Antioxidant effects of Camellia sinensis L. extract in patients with type 2 diabetes                                                                                                                                                                | A. Spadriene, N. Savickiene, L. Ivanauskas, V. Jakstas, A. Skesters, A. Silova, H.                                                      | Journal of Food and Drug Analysis 22, 505-511 (2014)                                   | 2014 | Lithuania   | C18                | 5um, 250 x 4.6  |
| AP1736 | Absorption, distribution, metabolism and excretion of the novel antibacterial prodrug tedizolid phosphate                                                                                                                                           | V. Ong, S. Flanagan, E. Fang, H.J. Dreskin, J.B. Locke, K. Bartizal, P. Prokocimer                                                      | Drug Metab. Dispos., 4q2, 1275-1284 (2014)                                             | 2014 | USA         | C18                | 3um, 150 x 4.6  |
| AP1737 | The combined effects of pH and acetonitrile composition on the separation of two lincosamide antibiotics                                                                                                                                            | J. Vella, M. Mifsud, N.S. Bartolo, V. Ferrito, A. Serracino-Inglott, L.M. Azzopardi, G. LaFerla                                         | Asian Journal of Pharmaceutical and Clinical Research, 7 (5), (2014)                   | 2014 | Malta       | C18                | 5um, 250 x 4.6  |
| AP1738 | Study on the PK profiles of magnoflorine and its potential interaction in <i>Cortex phellodendri</i> decoction by LC-MS/MS                                                                                                                          | X. Tian, Z. Li, Y. Lin, M. Chen, G. Pan, C. Huang                                                                                       | Anal Bioanal Chem, 406 (3), 841-849 (2014)                                             | 2014 | China       | C18                | 3um, 100 x 2.1  |
| AP1739 | A comparison of the metabolome of male and female Drosophila melanogaster                                                                                                                                                                           | R. Zhang, T. Zhang, D. Korzekwa, S. Al-Jojani, J.A.T. Dow, D.G. Watson                                                                  | Current Metabolomics, 2, 174-183 (2014)                                                | 2014 | UK          | C18-AR             | 5um, 150 x 4.6  |
| AP1740 | Development and validation of liquid-chromatography-tandem mass spectrometric method for quantification of ciprofibrate from human plasma                                                                                                           | D. Shah, D. Mavani, H. Patel, S. Baldania, K. Bhatt, U. Chhalotiya                                                                      | J. Chrom Sc. Advance Access May 2014                                                   | 2014 | India       | C18                | 5um, 50 x 4.6   |
| AP1741 | Identification of wild yeast strains and analysis of their beta-glycan and glutathione levels for use in Makgeolli brewing                                                                                                                          | S.H. Kang, H.R. Kim, J.H. Kim, B.H. Ahn, T.W. Kim, J. Lee                                                                               | Mycobiology, 42(4), 361-367 (2014)                                                     | 2014 | Korea       | C18                | 3um, 150 x 4.6  |
| AP1742 | HPLC method for the simultaneous determination of secnidazole, omeprazole and amoxicillin mixture in pure forms and pharmaceutical formulations                                                                                                     | M.M. Baraka, M.E. Elsadek, A.M. Ibrahim                                                                                                 | Asian Journal of Pharmaceutical Analysis and Medicinal Chemistry, 2(4), 197-207 (2014) | 2014 | Egypt       |                    | 5um, 250 x 4.6  |
| AP1743 | A rapid method for the determination of free alpha-amino acids in pea ( <i>Pisum sativum</i> ) using ultra high performance liquid chromatography-high resolution accurate mass-mass spectrometry                                                   | M. Dickinson, M. Parker, F. Schoutsen, A.J. Charlton                                                                                    | Anal. Methods, 6, 2395-2398 (2014)                                                     | 2014 | UK          | Excel AQ           | 2u, 150 x 3.0   |
| AP1744 | Quantification and stress degradation studies of cefepime/tazobactam in dry injection form by an RP-HPLC method                                                                                                                                     | R. Kommana, G. Kannabattula, S. Gurrala, V.R. Yeradesi, P.A. Durga                                                                      | Brazilian Journal of Pharmaceutical Sciences, 50 (4), 895-901 (2014)                   | 2014 | India       | C18                | 5um,            |
| AP1745 | Preclinical evaluation and test-retest studies of [18F]PSS232, a novel radioligand for targeting metabotropic glutamate receptor 5 (mGlu5)                                                                                                          | S.M. Sephton, A.M. Herde, L. Mu, C. Keller, S. Rudisuhli, Y. Auberson, R. Schibli, S.D. Kramer, S.M. Ametamey                           | Eur. J. Nucl. Med. Mol. Imaging, (2014)                                                | 2014 | Switzerland | C18                | 3um, 50 x 4.6   |
| AP1746 | The solubility of sebacic acid in subcritical water using the response surface methodology                                                                                                                                                          | E. Yabalak, O. Gormez, B. Gozmen, A.M.                                                                                                  | Int. J. Ind. Chem. Jan 2015                                                            | 2015 | Turkey      | C18                | 5um, 250 x 4.6  |
| AP1747 | A simple HPLC-UV method for the determination of ciprofloxacin in human plasma                                                                                                                                                                      | J. Vella, F. Busuttill, N.S. Bartolo, C. Sammut, V. Ferrito, A. Serracino-Inglott, L.M. Azzopardi, G. LaFerla                           | J. Chrom. B (2015)                                                                     | 2015 | Malta       | C18                | 5um, 250 x 4.6  |
| AP1748 | Synthesis, radiolabelling and evaluation of novel 4-oxo-quinoline derivatives as PET tracers for imaging cannabinoid type 2 receptor                                                                                                                | R. Slavik, A.M. Herde, D. Bieri, M. Weber, R. Schibli, S.D. Kramer, S.M. Ametamey, L. Mu                                                | European Journal of Medicinal Chemistry, 92, 554-564 (2015)                            | 2015 | Switzerland | C18-AR             | 3um, 50 x 4.6   |
| AP1749 | Determination of active radical scavenging compounds in polar fruit and vegetable extracts by an on-line HPLC method                                                                                                                                | R. Van der Werf, S. Dal, J. Le Grandois, D. Aoude-Werner, F. Digel, S. Ennahar, S. Sigrist, E. Marchioni                                | Food and Science Technology (2015)                                                     | 2015 | France      | C18-PFP            | 5um, 250 x 4.6  |
| AP1750 | Simultaneous determination of perfluorinated compounds and their potential precursors in mussel tissue and fish muscle tissue and liver samples by liquid chromatography-electrospray-tandem mass spectrometry                                      | I. Zabaleta, E. Bizkarguenaga, A. Prieto, M. Ortiz-Zarragoitia, L.A. Fernandez, O. Zuloaga                                              | J. Chrom. A, 1387, 13-23 (2015)                                                        | 2015 | Spain       | UltraCore SuperC18 | 2.5um, 50 x 2.1 |
| AP1751 | Analysis of organo-chlorine pesticides residue in raw coffee with a modified 'quick easy cheap effective rugged and safe' extraction/clean up procedure for reducing the impact of caffeine on the gas chromatography-mass spectrometry measurement | B. Bresin, M. Piol, D. Fabbro, M. A. Mancini, B. Casetta                                                                                | J. Chrom. A, 1376, 167-171 (2015)                                                      | 2015 | Italy       | C18-PFP            |                 |
| AP1752 | Comparison of hydrocarbon- and lactam-bridged cyclic peptides as dimerization inhibitors of Leishmania infantum trypanothione reductase                                                                                                             | P.A. Sanchez-Murcia, M. Ruiz-Santaquiteria, M.A. Toto, H. de Lucio, M.A. Jimenez, F. Gago, A. Jimenez-Ruiz, M.J. Camarasa, S. Velazquez | RSC Adv., 5, 55784-55794 (2015)                                                        | 2015 | Spain       | C18-300            | 5um, 250 x 10   |

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| AP1753 | S-Glutathionylation enhances human cystathionine $\beta$ -synthase activity under oxidative stress conditions                                                                                                           | WN Niu, P.K. Yadav, J. Adamec, R. Banerjee                                                                                   | Antioxidants & Redox Signaling, 22 (5), 350–361 (2015)           | 2015 | USA     | C18-300      | 5um, 100 x 2.1 |
| AP1754 | Simultaneous quantitation of chloroquine and primaquine by UPLC-DAD and comparison with a HPLC-DAD method                                                                                                               | T.A. Miranda, H.R. Silva, G.A. Pianetti, I.C. Cesar                                                                          | Malaria Journal, 14 (29) (2015)                                  | 2015 | Brazil  | C18          | 5um, 100 x 4.6 |
| AP1755 | Liquid chromatography tandem mass spectrometry method for determination of domeridone in human plasma                                                                                                                   | M.A. Al Bayyari, N.S. Al-Bayyari                                                                                             | J. Chem. and Pharm. Research, 7 (1), 980–985 (2015)              | 2015 | Udi Ara | C18          | 3um, 50 x 4.6  |
| AP1756 | Saccharomyces cerevisiae cell wall components as tools for ochratoxin A decontamination                                                                                                                                 | M. Piotrowska, A. Masek                                                                                                      | Toxins, 7, 1151–1162 (2015)                                      | 2015 | Poland  | C18          | 5um, 250 x 4.6 |
| AP1757 | Structure and function of a Clostridium difficile sortase enzyme                                                                                                                                                        | CV.J. Chambers, A.K. Roberts, C.C. Shone, K.R. Acharya                                                                       | Scientific Reports 5: 9449 (2015)                                | 2015 | UK      | C18          | 50 x 2.1       |
| AP1758 | Optimisation of rutin isolation from Amaranthus paniculatus leaves by high pressure extraction and fractionation techniques                                                                                             | P. Kraujalis, P.R. Venskutonis, E. Ibanez, M. Herrero                                                                        | J. of Supercritical Fluids 104, 234–242 (2015)                   | 2015 | Spain   | C18-AR       | 5um, 150 x 4.6 |
| AP1759 | Development of an immobilized biocatalyst based on Bacillus psychrosaccharolyticus NDT for the preparative synthesis of trifluridine and decytidine                                                                     | A. Fresco-Taboada, I. Serra, M. Arroyo, J. Fernandez-Lucas, I. de la Mata, M. Terreni                                        | Catalysis Today 259, 197–204 (2015)                              | 2015 | Spain   | C18-PFP      | 5um, 250 x 4.6 |
| AP1760 | Anti-glycation activities of phenolic constituents from Silybum marianum (milk thistle) flower in vitro and on human explants                                                                                           | S. Shin, J. Lee, M. Kim, H. Kum, E. Jung, D. Park                                                                            | Molecules 20, 3549–3564 (2015)                                   | 2015 | Korea   | C18          | 5um, 250 x 4.6 |
| AP1761 | Pyroglutamil-N-terminal prion protein fragments in sheep brain following the development of transmissible spongiform encephalopathies (supplementary info available)                                                    | A. Gielbert, J.K. Thorne, J. Hope                                                                                            | Frontiers in Molecular Biosciences, Vol 2 Art. 7 (2015)          | 2015 | UK      | AQ           | 150 x 0.075    |
| AP1762 | Analysis of metronidazole in equine plasma using liquid chromatography/tandem mass spectrometry and high resolution accurate mass spectrometry                                                                          | M. Ilomuanya, C. Uboh, J. Ciallella, X. Li, Y. Liu, N. Ifudu, C. Azubuike, C. Igwilo                                         | Rapid Commun. Mass Spectrom. 29, 753–763 (2015)                  | 2015 | USA     | C18          | 5um, 75 x 2.1  |
| AP1763 | Perfluoroalkyl acids and their precursors in Swedish food: The relative importance of direct and indirect dietary exposure                                                                                              | W.A. Gebbink, A. Glynn, P.O. Darnerud, U. Berger                                                                             | Environmental Pollution, 198, 108–115 (2015)                     | 2015 | Sweden  | C18          | 3um, 150 x 2.1 |
| AP1764 | Temporal trends of perfluoroalkyl substances (PFAS) in eggs of coastal and offshore birds: Increasing PFAS levels associated with offshore bird species breeding on the Pacific coast of Canada and wintering near Asia | A. Miller, J.E. Elliott, K.H. Elliott, S. Lee, F. Cyr                                                                        | Environmental Toxicology and Chemistry, 34 (8), 1799–1808 (2015) | 2015 | Canada  | C18          | 3um, 50 x 2.1  |
| AP1765 | Population pharmacokinetic analysis to identify the possibility of interaction between anti-cancer agents                                                                                                               | J. Subramanian, A. Damre, S. Rohatagi                                                                                        | Indian Journal of Cancer, 52 (3), 461–465 (2015)                 | 2015 | India   | C18          | 3um, 150 x 4.6 |
| AP1766 | Selective antitumoral effect of sorafenib loaded PLGA nanoparticles conjugated with cetuximab on undifferentiated/anaplastic thyroid carcinoma cells                                                                    | E. Mato, G. Puras, O. Bell, M. Agirre, R.M. Hernandez, M. Igartua, R. Moreno, G. Gonzalez, A. de Leiva, J.L. Pedraz          | Nanomedicine & Nanotechnology, 6 (3), (2016)                     | 2015 | Spain   | C18          | 3um, 30 x 2.1  |
| AP1767 | 'Dopamine-first' mechanism enables the rational engineering of the norcolaurine synthase aldehyde activity profile                                                                                                      | B.K. Lienman, M.C. Gersnater, E.D. Lamming, T. Pesnot, A. Sula, N.H. Keep, H.C. Hailes, J.M. Wood                            | FEBS Journal, 282, 1137–1151 (2015)                              | 2015 | UK      | C18          | 150 x 4.6      |
| AP1768 | Brain region-specific perfluoroalkylated sulfonate (PFSA) and carboxylic acid (PFCA) accumulation and neurochemical biomarker responses in east Greenland polar bears (Ursus maritimus)                                 | K.E. Pedersen, N. Basu, R. Letcher, A.K. Greaves, C. Sonne, R. Dietz, B. Styrishave                                          | Environmental Research 138, 22–31 (2015)                         | 2015 | Denmark | C18          | 3um, 50 x 2.1  |
| AP1769 | Pharmacokinetics of cycloserine in rats by HPLC-MS/MS                                                                                                                                                                   | L. Yan, Z. Wang, W. Zhang, Y. Huang, H. Xiao                                                                                 | Med. Chem., 5 (20), 104–107 (2015)                               | 2015 | China   | C18-AR       | 5um, 150 x 4.6 |
| AP1770 | A requirement for GCH1 and tetrahydrobiopterin in embryonic development                                                                                                                                                 | G. Douglas, A.B. Hale, M.J. Crabtree, B.J. Ryan, A. Hansler, K. Watschinger, S.S. Gross, C.A. Lygate, N.J. Alp, K.M. Channon | Developmental Biology, 399, 129–138 (2015)                       | 2015 | UK      | C18          | 5um, 250 x     |
| AP1771 | Identification of AKB-48 and 5F-AKB-48 metabolites in authentic human urine samples using human liver microsomes and time of flight mass spectrometry                                                                   | S. Vikingsson, M. Josefsson, H. Green                                                                                        | Journal of Analytical Toxicology Advance Access May 2015         | 2015 | Sweden  | Excel C18-AR | 2um, 100 x 2.1 |
| AP1772 | HPLC and LC-MS/MS methods for determination of sodium benzoate and potassium sorbate in food and beverages: Performances of local accredited laboratories via proficiency tests in Turkey                               | A.C. Goren, G. Bilsel, A. Simsek, M. Bilsel, F. Akcadag, K. Topal, H. Ozgen                                                  | Food Chemistry, 175, 273–279 (2015)                              | 2015 | Turkey  | C18          | 5um, 150 x 4.0 |
| AP1773 | A model of post-infection fatigue is associated with increased TNF and 5-HT <sub>2A</sub> receptor expression in mice                                                                                                   | Y. Couch, Q. Xie, L. Lundberg, T. Sharp, D.C. Anthony                                                                        | PLOS ONE, July 2015                                              | 2015 | UK      | C18          | 3um, 150 x 3.0 |
| AP1774 | Development and validation of determinative and confirmatory LC-MS/MS methodologies for total florfenicol and tulathromycin residues in bovine, equine and porcine kidney, liver and muscle tissues                     | R.W. Fedeniuk, D. McKenzie, M. Mizuno, C. Neiser, C. O'Byrne, B. Shurmer                                                     | J. Chrom. B, 983–984, 1–9 (2015)                                 | 2015 | Canada  | C18-AR       | 3um, 50 x 2.1  |

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| AP1775 | Simultaneous enzymatic hydrolysis and extraction of endocrine-disrupting chemicals in fish bile using polyethersulfone polymer                                                         | O. Ros, J. Aguirre, A. Prieto, M. Olivares, N. Etxebarria, A.                                                                               | Anal. Bioanal. Chem., 407, 7413-7423 (2015)                          | 2015 | Spain     | UltraCore SuperC18  | 2.5              |
| AP1776 | Saxagliptin levels and its pharmacokinetic application in presence of sucralose in animals serum by HPLC method                                                                        | W.H. Dayyih, L. Rammeh, L. Mallah, K. Mansour, T. Arafat, M. Bazzal                                                                         | Int. J. Pharmacy and Pharm. Sci., 7 (9), (2015)                      | 2015 | Jordan    | C8                  | 5um, 250 x 4.6   |
| AP1777 | Magnetic purification of curcum in longa rhizome by novel naked maghemite nanoparticles                                                                                                | M. Magro, R. Campos, D. Baratella, M.I. Ferreira, E. Bonaiuto, V. Corraducci, M.R. Uliana, G.P.P. Lima, S. Santagata, P. Sambo, F. Vianello | J. Agric. Food Chem., 63, 912-920 (2015)                             | 2015 | Italy     | C18                 | 5um, 250 x 4.6   |
| AP1778 | Evaluation of the triglyceride composition of pomegranate seed oil by RP-HPLC followed by GC-MS                                                                                        | M. Topkafa, H. Kara, S.T.H. Sherazi                                                                                                         | J. Am. Oil Chem. Soc., 92, 791-800 (2015)                            | 2015 | Turkey    | C18                 | 5um, 250 x 4.0   |
| AP1779 | Formulation, physicochemical characterization and in vitro study of chitosan/HPMC bends-based herbal blended patches                                                                   | J. Suksaeree, C. Monton, F. Madaka, T. Chusut, W. Saingam, W. Pichayakorn, P. Boonme                                                        | AAPS PharmSciTech, 16 (1), 171-181 (2015)                            | 2015 | Thailand  | C18                 | 5um, 250 x 4.6   |
| AP1780 | Determination of atorvastatin pharmacokinetic parameters by LC-MS/MS with traditional liquorice beverage                                                                               | T.A. Shaikhli, W.A. Dayyih, E. Mallah, M. Hamad, N. Qinna, T. Arafat                                                                        | Advances in Analytical Chemistry, 5 (1), 17-24 (2015)                | 2015 | Jordan    | C8                  | 5um, 50 x 2.1    |
| AP1781 | Pipa carvalhoi skin secretion profiling: Absence of peptides and identification of kynurenic acid as the major constitutive component                                                  | D.O.C. Mariano, L.F. Yamaguchi, C. Jared, M.M. Antoniazzi, J.M. Sciani, M.J. Kato, D.C. Pimenta                                             | Comparative Biochemistry and Physiology, Part C 167, 1-6 (2015)      | 2015 | Brazil    | C18                 | 5um, 250 x 4.6   |
| AP1782 | Phytoplankton pigment biomarkers: HPLC separation using a pentafluorophenyl octadecyl silica column                                                                                    | N. Sanz, A. Garcia-Bianco, A. Gavalas-Olea, P.Loures, J.L. Garrido                                                                          | Methods in Ecology and Evolution (2015)                              | 2015 | Spain     | C18-PFP             | 3um, 150 x 4.6   |
| AP1783 | Comparison of nutrient content in fruit of commercial cultivars of eggplant (Solanum melongena L)                                                                                      | F.A. Ayaz, N. Colak, M. Topuz, P. Tarkowski, P. Jaworek, G. Seiler, H. Inceer                                                               | Pol. J. Food Nutr. Sci. 65 (4), 251-259 (2015)                       | 2015 | Turkey    | C18                 | 5um, 250 x 4.6   |
| AP1784 | Antioxidant and whitening activities of five unripe pear cultivars                                                                                                                     | S-H Yim, S-H Nam                                                                                                                            | Journal of Applied Botany and Food Quality 88, 186-191 (2015)        | 2015 | Korea     | C18                 | 5um, 250 x 4.6   |
| AP1785 | Homolog-focused profiling of ginsenosides based on the integration of step-wise formate anion-to-deprotonated ion transition screening and scheduled multiple reaction monitoring      | Y. Song, N. Zhang, S. Shi, J. Li, Y. Zhao, Q. Zhang, Y. Jiang, P. Tu                                                                        | J. Chrom. A (2015)                                                   | 2015 | China     | UltraCore SuperC18  | 2.5um, 150 x 3.0 |
| AP1786 | Biochemical, transcriptomic and proteomic analyses of digestion in the scorpion Tityus serrulatus: Insights into function and evolution of digestion in an ancient arthropod           | F.J. Fuzita, M.W.H. Pinkse, J.S.L. Patane, M.A. Juliano, P.D.E.M. Verhaert, A.R. Lopes                                                      | PLOS ONE April 2015                                                  | 2015 | Brazil    | C18                 | 5um, 50 x 4.6    |
| AP1787 | Enrichment of perfluorinated alkyl substances on polyethersulfone using 1-methylpiperidine as ion-pair reagent for the clean-up of carrot and amended soil extracts                    | E. Bizkarguenaga, I. Zabaleta, A. Iparraguirre, J. Aguirre, L.A. Fernandez, U. Berger, A. Prieto, O. Zuloaga                                | Talanta 2015                                                         | 2015 | Spain     | UltraCore Super C18 | 2.5um, 50 x 2.1  |
| AP1788 | Petals of Crocus sativus L. as apotential source of the antioxidants crocin and kaempferol                                                                                             | K. Zeka, K.C. Ruparelia, M.A. Continenza, V.P. Andreatopoulos                                                                               | Fitoterapia (2015)                                                   | 2015 | Italy     | UltraCore SuperC18  | 5um, 150 x 4.6   |
| AP1789 | Lipidomic analysis of plasma samples from women with polycystic ovary syndrome                                                                                                         | Z. Haoula, S. Ravipati, D.J. Stekel, C.A. Ortori, C. Hodgman, C. Daykin, N. Raine-Fenning, D.A. Barrett, W. Atiomo                          | Metabolomics, 11, 657-666 (2015)                                     | 2015 | UK        | C18                 | 3um, 150 x 2.1   |
| AP1790 | Development and validation of stability indicating RP-HPLC method for simultaneous determination of S (-) pantoprazole and mosapride citrate in capsule dosage form                    | S. Shitole, M. Gurjar, G. Bal, A. Pawar, R. Patel, S. Pimple                                                                                | J. Chem. and Pharm. Research 7 (2), 80-86 (2015)                     | 2015 | India     | C8                  | 3um, 100 x 4.6   |
| AP1791 | The development and validation of a method for quantifying olanzapine in human plasma by liquid chromatography tandem mass spectrometry and its application in a pharmacokinetic study | N.C.T.C. Bedor, D.C.G. Bedor, C.E.M. de Sousa, F.N. Bonifacio, D. da Mota Casteol Branco, L.B.Leal, D.P. de Santana                         | Clinical & Experimental Pharmacology & Physiology 42, 305-313 (2015) | 2015 | Brazil    | C18                 | 5um, 125 x 4.6   |
| AP1792 | Liquid chromatography-mass spectrometry metabolic and lipidomic sample preparation workflow for suspension-cultured mammalian cells using Jurkat T lymphocyte cells                    | C.Z. Ulmer, R.A. Yost, J. Chen, C.E. Mathews, T.J. Garrett                                                                                  | Proteomics & Bioinformatics 8 (6), 126-132 (2015)                    | 2015 | USA       | Excel C18-PFP       | 2um, 100 x 2.1   |
| AP1793 | Comparative tasting bioavailability of two clopidogrel formulations in healthy Mediterranean volunteers: an in vitro - in vivo study                                                   | A.N. Zaid, K.A.I. Kamam, K. Bustami, A. Mousa, S. Al-Jarrah                                                                                 | Drug Design, Development & Therapy, 9, 2539-2365 (2015)              | 2015 | Palestine | C8                  | 5um, 50 x 2.1    |

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| AP1794 | A novel, highly sensitive and specific biomarker for Niemann-Pick type C1 disease                                                                                                                                                             | A. Giese, H. Mascher, U. Grittner, S. Eichler, G. Kramp, J. Lukas, D. te Vruchte, N. eisa, M. Cortina-Borja, F.D. Porter, F.M. Platt, A. Rolfs | Orphanet Journal of Rare Diseases, 10, 78 (2015)                                            | 2015 | Germany   | C8      | 3um, 50 x 2.1  |
| AP1795 | Evaluation of the effect of processing on cocoa polyphenols: antiradical activity, anthocyanins and procyanidins profiling from raw beans to chocolate                                                                                        | M. Bordiga, M. Locatelli, F. Travaglia, J.D. Coisson, G. Mazza, M. Arlorio                                                                     | Int. J. Food Science and Technology (2015)                                                  | 2015 | Canada    | C18     | 3um, 150 x 3.0 |
| AP1796 | Topical, aqueous, clear cyclosporine formulation design for anterior and posterior ocular delivery                                                                                                                                            | K. Cholkar, B.C. Gilger, A.K. Mitra                                                                                                            | TVST, 4 93, 1-16 (2015)                                                                     | 2015 | USA       | Phenyl  | 5um, 50 x 2.1  |
| AP1797 | Immunomodulatory metabolites released by the frog-killing fungus, Batrachochytrium dendrobatidis                                                                                                                                              | L.A.Rollins-Smith, J.S. Fites, L.K. reinert, A.R. Shiakolas, T.P. Umile, K.P.C. Minbiole                                                       | Infect. Immun., (2015)                                                                      | 2015 | USA       | C18     | 3um, 150 x 4.6 |
| AP1798 | Validated RP-HPLC method for quantification of phenolic compounds in methanol extracts of aerial parts and roots of Thymus sipyleus and evaluation of antioxidant potential                                                                   | A. Gokbulut                                                                                                                                    | Tropical Journal of Pharmaceutical Research, 14 (10), 1871-1877 (2015)                      | 2015 | Turkey    | C18     | 5um, 250 x 4.6 |
| AP1799 | An ADA laboratory evaluation: Bisphenol A released from resin based dental sealants                                                                                                                                                           | S.E. Gruninger, A. Tiber, R. Vinh                                                                                                              | American Dental Association professional product Review May 2015                            | 2015 | USA       | C18-PFP | 100 x 2.1      |
| AP1800 | Correlation between browning degree and composition of important Turkish white wine grape varieties                                                                                                                                           | M.U. Unal, A. Sener                                                                                                                            | Turkish Journal of Agriculture and Forestry, 39, (2015)                                     | 2015 | Turkey    | C18     | 5um, 250 x 4.6 |
| AP1801 | Optimisation of a CUPRAC-based HPLC postcolumn assay and its applications for Ginkgo biloba L. extracts                                                                                                                                       | L. Rimkiene, L. Ivanuaskas, A. Kubiliene, K. Vitkevicius, G. Kiliuviene, V. Jakstas                                                            | J. Anal. Methods in Chemistry, (2015)                                                       | 2015 | Lithuania | C18     | 5um, 150 x 4.6 |
| AP1802 | Chlorophyll catabolites in conditioned media of green microalga Desmodesmus subspicatus                                                                                                                                                       | K. Grabski, N. Baranowski, J. Skorko-Glonek, Z. Tukaj                                                                                          | J. Appl. Phycol., (2015)                                                                    | 2015 | Poland    | C18-300 | 5um, 250 x 4.6 |
| AP1803 | Determination of porphyrins in oral bacteria by liquid chromatography electrospray ionization tandem mass spectrometry                                                                                                                        | J. Tveit, N. Djurhuus, L. Paulsson, A. Johannsen, C. Grotten                                                                                   | Anal. Bioanal. Chem., (2015)                                                                | 2015 | Sweden    | C18-PFP | 3um, 75 x 2.1  |
| AP1804 | Development of LC-MS/MS methodology for the detection/determination and confirmation of chloramphenicol, chloramphenicol 3-O-β-D-glucuronide, florfenicol, florfenicol amine and thiamphenicol residues in bovine, equine and porcine tissues | R.W. Fedeniuk, M. Mizuno, C. Neiser, C. O'Byrne                                                                                                | J. Chrom. B, 991, 68-78 (2015)                                                              | 2015 | Canada    | C18-AR  | 3um, 50 x 2.1  |
| AP1805 | Postharvest treatment with (-) and (+)-methyl jasmonate stimulates anthocyanin accumulation in grapes                                                                                                                                         | G. Flores, G.P. Blanch, M.L.Ruiz del Castillo                                                                                                  | LWT - Food Science and Technology, 62, 807-812 (2015)                                       | 2015 | Spain     | C18     | 5um, 250 x 4.6 |
| AP1806 | A comparison of the constituents of propolis from different regions of the United Kingdom by liquid chromatography-high resolution mass spectrometry using a metabolomics approach                                                            | K. Saleh, T. Zhang, J. Fearnley, D.G. Watson                                                                                                   | Current Metabolomics, 3, 42-53 (2015)                                                       | 2015 | UK        | C18     | 3um, 150 x 3.0 |
| AP1807 | Single active-site mutants are sufficient to enhance serine: pyruvate α-transaminase activity in an ω-transaminase                                                                                                                            | D. Deszcz, P. Affaticati, N. Ladkau, A. Gegel, J.K.M. Ward, H.C. Hailes, P.A. Dalby                                                            | FEBS Journal, 282, 2512-2526 (2015)                                                         | 2015 | UK        | C18     | 5um, 150 x 4.6 |
| AP1808 | Cross-talk between branched-chain amino acids and hepatic mitochondria is compromised in nonalcoholic fatty liver disease                                                                                                                     | N.E. Sumry, S. Karavallapani, T. Brill, T.J. Garrett, M. Nautiyal, J.T. Mathew, C.M. Williams, K. Gnanapavan                                   | Am. J. Physiol. Endocrinol. Metab., 309, E311-E319 (2015)                                   | 2015 | USA       | C18-PFP | 2um, 100 x 2.1 |
| AP1809 | Organochlorine insecticides induce NADPH oxidase-dependent reactive oxygen species in human monocytic cells via phospholipase A2/arachidonic acid                                                                                             | L.C. Mangum, A. Borazjani, J.V. Stokes, A.T. Anberitha, J.H. Lee, J.E. Chambers, M.K. Ross                                                     | Chemical Research in Toxicology, 28, 570-584 (2015)                                         | 2015 | USA       | C18     | 3um, 100 x 2.1 |
| AP1810 | Modelling and optimisation of the one-pot, multi-enzymatic synthesis of chiral amino-alcohols based on microscale kinetic parameter determination                                                                                             | L. Rios-Solis, P. Morris, C. Grant, A.O.O. Odeleye, H.C. Hailes, J.M. Ward, P.A. Dalby, F. Baganz, G.J. Lye                                    | Chemical Engineering Science, 122, 360-372 (2015)                                           | 2015 | UK        | C18     | 5um, 150 x 4.6 |
| AP1811 | Degradation and kinetic study of tadalafil and chiral separation by RP-HPLC                                                                                                                                                                   | D.J. Sen, A.K. Patel                                                                                                                           | World Journal of Pharmacy and Pharmaceutical Sciences, 4 (5), 1283-1305, (2015)             | 2015 | India     | C18     | 5um, 150 x 4.6 |
| AP1812 | Exorphin peptides in urine with HPLC-MS/MS detection                                                                                                                                                                                          | D. Tveiten, A. Finvold, M. Andersson, K.B.P. Elgstoen, P.O. Ronning, K.L. Reichelt                                                             | International Journal of Innovative Science, Engineering & Technology, 2 (11), 57-63 (2015) | 2015 | Norway    | C18     | 5um, 150 x 4.6 |



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| AP1813 | Sodium hydroxide enhances extractability and analysis of proanthocyanidins in ensiled sainfoin ( <i>Onobrychis viciifolia</i> )                                                                                            | A. Ramsay, C. Drake, A.G. Brinkhaus, M. Girard, G. Copani, F. Dohme-Meier, G. Bee, V. Niderkorn, I. Mueller-Harvey                                                                                                                | J. Agric. Food Chem. 63, 9471-9479 (2015)                           | 2015 | UK     | C18                | 3um, 250 x 4.6   |
| AP1814 | Panamanian frog species host unique skin bacterial communities                                                                                                                                                             | L.K. Belden, M.C. Hughey, E.A. Rebolgar, T.P. Umile, S.C. Loftus, E.A. Burzynski, K.P.C. Minbiole, L.L. House, R.V. Jensen, M.H. Becker, J.B. Walke, D. Medina, R. Ibanz, R.N. Harris                                             | Frontiers in Microbiology, 6, 1171 (2015)                           | 2015 | USA    | C18                | 3um, 150 x 4.6   |
| AP1815 | Pressurised liquid extraction of caffeine and catechins from green tea leaves using ethyl lactate, water and ethyl lactate + water                                                                                         | D.V. Mermejo, J.A. Mendiola, E. Ibanez, G. Reglero, T. Fornari                                                                                                                                                                    | Food and Bioproducts processing, 96, 106-112 (2015)                 | 2015 | Spain  | C18-AR             | 3um, 150 x 4.6   |
| AP1816 | Can zero-valent iron nanoparticles remove waterborne estrogens?                                                                                                                                                            | B. Jarosova, J. Filip, K. Hilscherova, J. Tucek, Z. Simek, J.P. Giesy, R. Zboril, L. Blaha                                                                                                                                        | Journal of Environmental Management, 150, 387-392 (2015)            | 2015 | Czech  | C18                | 3um, 250 x 2.1   |
| AP1817 | Absolute configuration, stability and interconversion of 6,7-dihydro-7-hydroxy-1-hydroxymethyl-5H-pyrrolizine valine adducts and their phenylthiohydantoin derivatives                                                     | X. Jiang, S. Wang, Y. Zhao, Q. Xia, L. Cai, X. Sun, P.P. Fu                                                                                                                                                                       | Journal of Food and Drug Analysis, 23, 318-326 (2015)               | 2015 | USA    | C18-AR             | 5um, 250 x 4.6   |
| AP1818 | Simultaneous determination of aconite alkaloids and ginsenosides using online solid phase extraction hyphenated with polarity switching ultra-high performance liquid chromatography coupled with tandem mass spectrometry | Y. Song, B.N. Zhang, Y. Jiang, J. Li, Y. Zhao, S. Shi, P. Tu                                                                                                                                                                      | RSC Advances, 5, 6419-6428 (2015)                                   | 2015 | China  | UltraCore SuperC18 | 2.5um, 150 x 3.0 |
| AP1819 | Effect of consuming a grape seed supplement with abundant phenolic compounds on the oxidative status of healthy human volunteers                                                                                           | F. Grases, R.M. Nieto, R.A. Fernandez-Cabot, A. Costa-Bauza, A.M. Sanchez, M. ...                                                                                                                                                 | Nutrition Journal, 14 (94), (2015)                                  | 2015 | Spain  | C18-AR             | 3um, 200 x 4.6   |
| AP1820 | Investigation of impact of storage conditions on <i>Hypericum perforatum</i> L. dried total extract                                                                                                                        | H. Koyu, M.Z. Haznedaroglu                                                                                                                                                                                                        | J. Food and Drug Analysis, 23, 545-551 (2015)                       | 2015 | Turkey | C18                | 5um, 250 x 4.6   |
| AP1821 | The hepatobiliary disposition of timosaponin B2 is highly dependent on influx/efflux transporters but not metabolism                                                                                                       | J. Sheng, X. Tian, G. Xu, Z. Wu, C. Chen, I. Wang, L. Pan, C. Huang, G. Pan                                                                                                                                                       | Drug Metabolism and Disposition, 43, 63-72 (2015)                   | 2015 | China  | C18                | 3um, 100 x 2.1   |
| AP1822 | In silico-based high-throughput screen for discovery of novel combinations for tuberculosis treatment                                                                                                                      | R. Singh, V. Ramachandran, K. Shandil, S. Sharma, S. Khandelwal, M. Karmarkar, N. Kumar, S. Solapure, R. Saralaya, R. Nanduri, V. Panduga, J. Reddy, K.R., Prabhakar, S. Rajagopalan, N. Rao, S. Narayanan, A. Anandkumar, V. ... | AAC, 59 (9), 5664-5674 (2015)                                       | 2015 | India  | C18                | 3um, 50 x 4.6    |
| AP1823 | Complexation study of glimepiride with Mg <sup>2+</sup> , Ca <sup>2+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> cations in methanol by conductometry, spectrophotometry and LC-MS                                       | P.A. Shah, J.V. Shah, M. Sanyal, P.S. Shrivastav                                                                                                                                                                                  | Int. J. Pharmacy and Pharmaceutical Sciences, 7 (9), 105-111 (2015) | 2015 | India  | C18                | 5um, 100 x 4.6   |
| AP1824 | Capecitabine and lapatinib uptake in surgically resected brain metastases from metastatic breast cancer patients: a prospective study                                                                                      | A. Morikawa, D.M. Peereboom, H.R. Thorsheim, R. Samala, R. Balyan, C.G. Murphy, P.R. Lockman, A. Simmons, R.J. Weil, V. Tabar, P.S. Steeg, Q.R. Smith, A.D. Seidman                                                               | Neuro-Oncology, 17 (2), 289-295 (2015)                              | 2015 | USA    | C18-AR             | 3um, 100 x 2.1   |
| AP1825 | Construction of a recombinant <i>Leuconostoc mesenteroides</i> CJNU 0147 producing 1,4-dihydroxy-2-naphthoic acid, a bifidogenic growth factor                                                                             | J-E Eom, G-S Moon                                                                                                                                                                                                                 | Korean J. Food Sci. An., 35 (6), 867-873 (2015)                     | 2015 | Korea  | C18                | 5um, 150 x 4.6   |
| AP1826 | A Novel, stable, aqueous glucagon formulation using ferulic acid as an excipient                                                                                                                                           | P.A. Bakhtiani, N. Caputo, J.R. Castle, J.E. Youssef, J.M. Carroll, L.L. David, C.T. Roberts, W.K. Ward                                                                                                                           | Journal of Diabetes Science and Technology, 9 (1), 17-23 (2015)     | 2015 | USA    | C18                | 3um, 150 x 3     |
| AP1827 | Pharmacokinetics of a single subcutaneous dose of sustained release buprenorphine in Northern elephant seals ( <i>Mirounga angustirostris</i> )                                                                            | C. M. Molter, L. Barbosa, S. Johnson, H.K. Knych, S.K. Chinnadurai, R.F. Wack                                                                                                                                                     | Journal of Zoo and Wildlife Medicine, 46 (1), 52-61 (2015)          | 2015 | USA    | C18                | 3um, 100 x 2.1   |

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| AP1828 | Development and validation of RP-HPLC and HPTLC methods for simultaneous estimation of mometasone furoate and miconazole nitrate in cream formulation                                        | K.A. Shah, J.B. Dave                                                                                                                                                             | World Journal of Pharmacy and Pharmaceutical Sciences, 4 (6), 1156-1172 (2015) | 2015 | India    | C18           | 5um, 150 x 4.6  |
| AP1829 | Study of the migration of three model substances from low density polyethylene into food simulant and fruit juices                                                                           | A. Rodriguez-Bernaldo de Quiros, N.V. Varela, R. Sendon                                                                                                                          | Beverages, 1, 159-168 (2015)                                                   | 2015 | Spain    | C18-HL        | 3um, 30 x 3     |
| AP1830 | The broad spectrum 2-oxoglutarate oxygenase inhibitor N-oxalylglycine is present in rhubarb and spinach leaves                                                                               | K. Ar-Ghani, B. Jaheen, K. Selkirk, N. Riaz, T.D.W. Claridge, C.J. Schofield, J.S.O. McComb                                                                                      | Phytochemistry, 117, 456-461 (2015)                                            | 2015 | UK       | C18-PFP       | 3um, 250 x 2.1  |
| AP1831 | Physicochemical and antioxidative properties of black, brown and red rice varieties of northern Thailand                                                                                     | N. Pengkumsri, C. Chaiyasut, C. Saenjum, S. Strilun, S. Peerajan, P. Suwannalert, S. Sirisattha, B. Sivamaruthi                                                                  | Food Science and Technology, Caminas, 35 (2), 331-338 (2015)                   | 2015 | Thailand | C18           | 5um, 250 x 4.6  |
| AP1832 | The influence of extraction methods on composition and antioxidant properties of rice bran oil                                                                                               | N. Pengkumsri, C. Chaiyasut, B. Sivamaruthi, C. Saenjum, S. Sirilun, S. Peerajan, P. Suwannalert, S. Sirisattha, K. Chaiyasut, P. Kesika                                         | Food Science and Technology, Caminas, (2015)                                   | 2015 | Thailand | C18           | 5um, 250 x 4.6  |
| AP1833 | Cytotoxicity evaluation of extracts and fractions of five marine sponges from the Persian Gulf and HPLC fingerprint analysis of cytotoxic extracts                                           | D. Mahdian, M. Iranshahy, A. Shakeri, A. Hoseini, H. Yavari, M. Nazemi, M. Iranshahi                                                                                             | Asian Pacific Journal of Tropical Biomedicine, 5(11), 896-901 (2015)           | 2015 | Iran     | C18           | 5um, 250 x 21.2 |
| AP1834 | Profiling the metabolome changes caused by cranberry procyanidins in plasma of female rats using 1H NMR and UHPLC-Q-orbitrap-HRMS global metabolomics approaches (supplementary information) | H. Liu, T.J. Garrett, F. Tayyari, L. Gu                                                                                                                                          | Mol. Nutr. Food Res., 59 (11), 2107-2118 (2015)                                | 2015 | USA      | C18-PFP       | 2um, 100 x 2.1  |
| AP1835 | Determination of hydroxylated polycyclic aromatic hydrocarbons by HPLC-photoionisation tandem mass spectrometry in wood smoke particles and soil samples                                     | R. Avagyan, R. Nystrom, C. Boman, R. Westerholm                                                                                                                                  | Anal. Bioanal. Chem., 407, 4523-4534 (2015)                                    | 2015 | Sweden   | C18           | 3um, 50 x 2.1   |
| AP1836 | One-step extraction and concentration of estrogens for an adequate monitoring of wastewater using ionic-liquid-based aqueous biphasic systems                                                | T.B.V. Dinis, H. Passos, D.L.D. Lima, V.I. Esteves, J.A.P. Coutinho, M.G. Freire                                                                                                 | Green Chem., 17, 2570-2579 (2015)                                              | 2015 | Portugal | C18-PFP       | 5um, 150 x 4.6  |
| AP1837 | Antimicrobial effect of Malpighia punicifolia and extension of water buffalo steak shelf-life                                                                                                | P. Tremonte, E. Sorrentino, M. Succi, L. Tipaldi, G.Pannella, E. Ibanez, J.A. Mendiola, T. di Renzo, A. Reale, R. Coppola                                                        | J. Food Science, (2015)                                                        | 2015 | Spain    | C18           | 3um, 150 x 4.6  |
| AP1838 | Instability of an aromatic amine in fatty food and fatty food simulant: characterization of reaction products and prediction of their toxicity                                               | R. Paseiro-Cerrato, A. Rodriguez-Bernaldo de Quiros, R. Sendon, J. Bustos, J.J. Sanchez, J. Lopez-Hernandez, P. Rodriguez                                                        | Food Additives & Contaminants: Part A, 32 (1), 100-109 (2015)                  | 2015 | Spain    | C18-HL        | 3um, 30 x 3.0   |
| AP1839 | Comparison of blood plasma sample preparation methods for combined LC-MS lipidomics and metabolomics                                                                                         | R.E. Patterson, A.J. Ducrocq, D.J. McDougall, T.J. Garrett                                                                                                                       | J. Chrom. B, 1002, 260-266 (2015)                                              | 2015 | USA      | Excel C18-PFP | 2um, 100 x 2.1  |
| AP1840 | Non-transferrin bound iron is associated with biomarkers of oxidative stress, inflammation and endothelial dysfunction in type 2 diabetes                                                    | B. Aiywatu, D.L. White, K.J. Collard, A.J. Moody, J.H.                                                                                                                           | Journal of Diabetes and its Complications, (2015)                              | 2015 | UK       | AQ            | 5um, 150 x 4.6  |
| AP1841 | The use of biomarkers to study the effects of the mixture of diuron and hexazinone on small and large <i>O. niloticus</i>                                                                    | M.F. Franco-Bernardes, L.R. Maschio, M.T.V. Azeredo-Oliveiro, E.A. Almeida                                                                                                       | Ecotoxicol. Environ. Contam. 10 (1), 83-92 (2015)                              | 2015 | Brazil   | C18           | 5um, 250 x 4.6  |
| AP1842 | Structure-based discovery of novel cyclophilin A inhibitors for the treatment of hepatitis C virus infections                                                                                | S. Yang, K.R. Jyothi, S. Lim, T.G. Choi, J. Kim, S. Akter, M. Jang, H. Ahn, H. Kim, M.P. Windisch, D.B. Khadka, C. Zhao, Y. Jin, I. Kang, J. Ha, B. Oh, M. Kim, S.S. Kim, W. Cho | J. Med. Chem., 58, 9546-9561 (2015)                                            | 2015 | Korea    | C18-HL        | 5um, 250 x 2.1  |
| AP1843 | Development and validation of a rapid ultra-high performance liquid chromatography method for the assay of benzalkonium chloride using a quality-by-design approach                          | R. Mallik, S. Raman, X. Liang, A.W. Grobin, D. Choudhury                                                                                                                         | J. Chrom. A, 1413, 22-32 (2015)                                                | 2015 | USA      | C18-AR        | 2um, 50 x 2.1   |
| AP1844 | Forensic electrochemistry: indirect electrochemical sensing of the components of the new psychoactive substance 'Synthacaine'                                                                | L.R. Cumba, A.V. Koliopoulos, J.P. Smith, P.D. Thompson, P.R. Evans, O.B. Sutcliffe, D.R. do Carmo, C.E. Banks                                                                   | Analyst, 140, 5536-5545 (2015)                                                 | 2015 | UK       | C18           | 3um, 150x 4.6   |

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| AP1845 | Toxic ipomeamarone accumulation in healthy parts of sweet potato ( <i>Ipomoea batatas</i> L. lam) storage roots upon infection by <i>Rhizopus stolonifer</i>              | L.V. Wamariwa, A. Cheseto, L. Ouna, F. Kaplan, N.K. Maniania, J. Machuka, B. Torto, M.                                                                                 | J. Agric. Food Chem., 63, 335-342 (2015)                                 | 2015 | Kenya       | AQ      | 5um, 200 x 10  |
| AP1846 | Composition uniformity indicating assay of traditional Lithuanian multi-ingredient phytopreparation                                                                       | V. Jakštas, A. Lukošius, I. Mekas, K. Vitkevičius, L.                                                                                                                  | Indian Journal of Traditional Knowledge, 14 (2), 198-205 (2015)          | 2015 | Lithuania   | C18     | 5um, 250 x 4.6 |
| AP1847 | Zingiber cassumunar blended patches for skin application: Formulation, physicochemical properties and in vitro studies                                                    | J. Surasatt, L. Charoenchai, P. Madaka, C. Monton, A. sakunpak, T. Charoonratana, W.                                                                                   | Asian Journal of Pharmaceutical Sciences, 10, 341-349 (2015)             | 2015 | Thailand    | C18     | 5um, 250 x 4.6 |
| AP1848 | Brivaracetam, a selective high affinity synaptic vesicle protein 2A (SV2A) ligand with preclinical evidence of high brain permeability and fast onset of action           | J. Nicolis, J. Hammestad, D. Holden, S. Kervyn, N. Nabulsi, D. Tytgat, Y. Huang, H. Chanteux, L. Staelens, A. Matagne, F. Mathy, J. Mercier, A. Stockis, R. Carson, H. | Epilepsia, 1-9 (2015)                                                    | 2015 | USA         | C18-AR  | 3um, 150 x 2.1 |
| AP1849 | Importance of measuring testosterone in enzyme-inhibited plasma for oral testosterone undecanoate androgen replacement therapy clinical trials                            | S. Lachance, O. Dinning, J. Bernstein, S. Gagnon, C. Savard, N. Pelletier, N. Boudreau, A.                                                                             | Future Science OA, 1 (4), (2015)                                         | 2015 | USA         | C18-PFP | 2um, 100 x 3.0 |
| AP1850 | GC-MS and HPLC methods for determination of estriol hormone in pharmaceutical preparations                                                                                | B. Yilmaz                                                                                                                                                              | Austin Journal of Analytical and Pharmaceutical Chemistry, 2 (5), (2015) | 2015 | Turkey      | C18     | 5um, 250 x 4.6 |
| AP1851 | Bioinspired synthesis of a sedaxane metabolite using catalytic vanadyl acetylacetonate and molecular oxygen                                                               | S. Tyagi, C.D. Cook, D.A. DiDonato, J.A. Key, B.P. McKillican, W.J. Eberle, T.J. Carlin, D.A. Hunt, S.J. Marshall, N.L. Dow                                            | J. Org. Chem. 80, 11941-11947 (2015)                                     | 2015 | UK          | C18     | 5um, 50 x 3.0  |
| AP1852 | Simultaneous determination of eight hypotensive drugs of various chemical groups in pharmaceutical preparations by HPLC-DAD                                               | M. Stolarczyk, U. Hubicka, B. Zuromska-Witek, J. Krzek                                                                                                                 | Journal of AOAC Int., 98 (6)1542-1548 (2015)                             | 2015 | Poland      | C18     | 5um, 250 x 4.6 |
| AP1853 | Exploring in vitro neurobiological effects and high pressure liquid chromatography-assisted quantitation of chlorogenic acid in 18 Turkish coffee brands                  | S. Erdem, F.S. Senol, E. Budakoglu, I.E. Orhan, B. Sener                                                                                                               | J. Food and Drug Analysis (2015)                                         | 2015 | Turkey      | C18     | 5um, 250 x 4.6 |
| AP1854 | Improved oral absorption of cilostazol via sulfonate salt formation with mesylate and besylate                                                                            | J.H. Seo, J.B. Park, W. Choi, S. Park, Y.J. Sung, E. Oh, S.K. Bae                                                                                                      | Drug Design, Development and Therapy, 9, 3961-3968 (2015)                | 2015 | South Korea | C8      | 3um, 50 x 4.6  |
| AP1855 | Interchangeability and comparative effectiveness between generic and brand montelukast immediate release tablets after a single oral administration in healthy volunteers | A.N. Zaid, A. Mousa, N. Ghazal, R. Bustami                                                                                                                             | Clin. Transl. Allergy, 5 (37), (2015)                                    | 2015 | Palestine   | CN      | 5um, 50 x 4.6  |
| AP1856 | Biodiversity, anti-trypanosomal activity screening and metabolomics profiling of actinomycetes isolated from Mediterranean sponges                                        | C. Cheng, L. MacIntyre, U.R. Abdelmohsen, H. Horn, P.N. Polymenakou, R. Edrada[Ebel, U. Hentschel                                                                      | PLOS ONE Sept 2015                                                       | 2015 | UK          | C18     | 5um, 75 x 3.0  |
| AP1857 | Anthelmintic activity of trans-cinnamaldehyde and A- and B-type proanthocyanidins derived from cinnamon ( <i>Cinnamomum verum</i> )                                       | A.R. Williams, A. Ramsay, T. Hansen, H.M. Ropiak, H. Mejer, P. Nejsum, I. Mueller-Harvey, S.M. Thamsborg                                                               | Nature, Sep 2015                                                         | 2015 | Denmark     | C18     | 3um, 250 x 4.6 |
| AP1858 | Exploration of the impact of stereochemistry on the identification of the novel translocator protein PET imaging agent [18F]GE-180                                        | W. Chau, A.M.A. Black, A. Clarke, C. Durrant, I. Gausemel, I. Khan, D. Mantzilas, I. Oulie, A. Rogstad, W. Trigg, P.A. Jones                                           | Nuclear Medicine and Biology, 42, 711-719 (2015)                         | 2015 | UK          | C18     | 5um, 100 x 10  |
| AP1859 | Overaccumulation of $\gamma$ -glutamylcysteine in a jasmonate-hypersensitive <i>Arabidopsis</i> mutant causes jasmonate-dependent growth inhibition                       | H. Wei, M. Rowe, J.M. Riethoven, R. Grove, J. Adamec, Y. Jikumaru, P. Staswick                                                                                         | Plant Physiology, 169, 1371-1381 (2015)                                  | 2015 | USA         | C18     |                |
| AP1860 | An LC-MS method for the assay of melittin in cosmetic formulations containing bee venom                                                                                   | J. Tusiimire, J. Wallace, M. Dufton, J. Parkinson, C.J. Clements, L. Young, J.K. Park, J.W. Jeon, D.G. Watson                                                          | Anal. Bioanal. Chem., 407, 3627-3635 (2015)                              | 2015 | UK          | C18     | 3um, 150 x 3.0 |
| AP1861 | The siderophore metabolome of <i>Azotobacter vinelandii</i>                                                                                                               | O. Baars, X. Zhang, F.M.M. Morel, M.R. Seyedsayamdost                                                                                                                  | Appl. Environ. Microbiol. (2015)                                         | 2015 | USA         | C18-AR  | 3um, 100 x 1.0 |
| AP1862 | APR-246 overcomes resistance to cisplatin and doxorubicin in ovarian cancer cells                                                                                         | N. Momen, J. Ahnredsson, A. Fransson, M. Uustalu, S. Bystrom, J. Gullbo, A. Hallberg, V.J.N. Bykov, U. Bjorklund, K.C. Winters                                         | Cell Death and Disease (2015)                                            | 2015 | Sweden      | C8      | 3um, 50 x 3.0  |

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| AP1863 | The transcriptome of <i>Euglena gracilis</i> reveals unexpected metabolic capabilities for carbohydrate and natural product biochemistry                                                                               | L.C. O'Neill, M. Trick, L. Hill, M. Rejzek, R.G. Dusi, C.J. Hamilton, P.V. Zimba, B. Hamilton, D.A. Brink                                                              | Molecular Biosystems, 11, 2808 (2015)                        | 2015 | USA, Fr     | C18-AR  | 5um, 250 x 4.6   |
| AP1864 | Synthesis and phototoxicity of isomeric 7,9-diglutathione pyrrole adducts: Formation of reactive oxygen species and induction of lipid peroxidation                                                                    | L. Ma, H. Zhao, Q. Xia, L. Cai, P. Fu                                                                                                                                  | J. Food and Drug Analysis 23, 577-586 (2015)                 | 2015 | USA         | C18     | 3um, 150 x 4.6   |
| AP1865 | Challenges in optimizing sample preparation and LC-MS/MS conditions for the analysis of carglumic acid, an N-acetyl glutamate derivative in human plasma                                                               | P. Sharma, P.A. Shah, M. Sanyal, P.S. Shrivastav                                                                                                                       | Drug Testing and Analysis, 7, 763-772 (2015)                 | 2015 | India       | CN      | 5um, 150 x 4.6   |
| AP1866 | Metabolomics of the biodegradation process of aflatoxin B1 by actinomycetes at an initial pH of 6.0                                                                                                                    | M. Eshelli, L. Harvey, R. Edrada-Ebel, B. McNeil                                                                                                                       | Toxins, 7, 439-456, (2015)                                   | 2015 | UK          | C18-300 | 5um, 150 x 4.6   |
| AP1867 | Scope of harmonization of pharmacopoeial liquid chromatography (LC) methods for diazepam and its related substances                                                                                                    | G.Q. Shar, W.B. Jatoi, P.M. Makheja                                                                                                                                    | Pak. J. Anal. Environ. Chem. 16 (1), 10-15 (2015)            | 2015 | Pakistan    | C8      | 5um, 150 x 4.6   |
| AP1868 | The invasive American weed <i>Parthenium hysterophorus</i> can negatively impact malaria control in Africa                                                                                                             | V.O. Nyasembe, X. Cheseto, F. Kaplan, W.A. Foster, P.E. Teal, J.H. Tumlinson, C. Borgemeister, B. Torto                                                                | PLOS ONE Sep. 2105                                           | 2015 | Kenya       | AQ      |                  |
| AP1869 | Metabolites involved in cellular communication among human cumulus-oocyte-complex and sperm during in vitro fertilization                                                                                              | M. Gomez-Torress, E.M. Garcia, J. Guerrero, S. Medina, M.J. Izquierdo-Rico, A. Gil-Izquierdo, J. Orduna, M. Saviron, L. Gonzalez-Brusi, J. Ten, R. Bernabeu, M. Aviles | Reproductive Biology and Endocrinology, 12 (123), (2015)     | 2015 | Spain       | C18     | 3um, 150 x 0.075 |
| AP1870 | A rapid and sensitive spectrophotometric method for the determination of benzoyl peroxide in wheat flour samples                                                                                                       | K. Ponghong, S. Supharoek, W. Siriangkhawut, K. Grudpan                                                                                                                | Journal of Food and Drug Analysis, 23, 652-659 (2015)        | 2015 | Thailand    | C18-AR  | 5um, 250 x 4.6   |
| AP1871 | Discovery of a high affinity and selective pyridine analog as a potential positron emission tomography imaging agent for cannabinoid type 2 receptor                                                                   | R. Slavik, U. Grether, A. M. Herde, L. Gobbi, J. Fingerle, C. Ullmer, S. Kramer, R. Schibli, L. Mu, S.M. Ametamey                                                      | J. Med. Chem., 58, 4266-4277 (2015)                          | 2015 | Switzerland | C18-AR  | 3um, 50 x 4.6    |
| AP1872 | Sensitive and rapid estimation of lapatinib, an anticancer drug in spiked human plasma by LC-MS/MS                                                                                                                     | P. Singhal, P.A. Shah, J.V. Shah, M. Sanyal, P.S. Shrivastav                                                                                                           | Int. J. Pharmacy and Pharmaceutical Sciences, 8 (1), (2016)  | 2016 | India       | C18     | 5um, 100 x 4.6   |
| AP1873 | Protective effect of hyperoside against acetaminophen (APAP) induced liver injury through enhancement of APAP clearance                                                                                                | W. Xie, Z. Jiang, J. Wang, X. Zhang, M.F. Melzig                                                                                                                       | Chemico-Biological Interactions 246, 11-19 (2016)            | 2016 | China       | AQ      | 3um, 200 x 2.1   |
| AP1874 | Development of a liquid chromatography/tandem mass spectrometry assay for the quantification of PM01183 (lurbicetidin), a novel antineoplastic agent, in mouse, rat, dog, <i>Cynomolgus</i> monkey and mini-pig plasma | T. Pernice, A.G. Bishop, M.J. Guillen, C. Cuevas, P. Aviles                                                                                                            | J. Pharm. & Biomed. Anal., (2016)                            | 2016 | Spain       | C18-PFP | 3um, 30 x 2.1    |
| AP1875 | <i>Paeonia lactiflora</i> enhances the adhesion of trophoblast to the endometrium via induction of leukemia inhibitory factor expression                                                                               | H-J Choi, T-W Chung, M-J Park, K. S. Lee, Y. Yoon, H.S. Kim, J.H. Lee, S-M Kwon, S-O Lee, K-J Kim, J-H Baek, K-T Hwang                                                 | PLOS ONE (2016)                                              | 2016 | Korea       | C18     | 5um, 250 x 4.6   |
| AP1876 | Chinese herbal medicine Fuzheng Kang-Ai decoction inhibited lung cancer cell growth through AMPK $\alpha$ -mediated induction and interplay of IGFBP1 and FOXO3a                                                       | F. Zheng, J. Wu, X. Li, Q. Tang, L. Yang, X. Yang, W. Wu, S.S. Hann                                                                                                    | Evidence-based Complementary and Alternative Medicine (2016) | 2016 | China       | C18     | 5um, 250 x 4.6   |
| AP1877 | Formation and biopharmaceutical characterization of electrospun PVP mats with propolis and silver nanoparticles for fast releasing wound dressing                                                                      | E. Adomaviciute, S. Stanys, M. Zilius, V. Juskaite, A. Pavilonis, V. Briedis                                                                                           | BioMed Research International (2016)                         | 2016 | Lithuania   | C18     | 5um, 150 x 0.5   |
| AP1878 | N+1 Engineering of an aspartate isomerization hotspot in the complementarity-determining region of a monoclonal antibody                                                                                               | C.N. Patel, S. P. Bauer, J. Davies, J.D. Durbin, T.L. Shiyanova, K. Zhang, J.X. Tang                                                                                   | J. Pharm. Sci., 105, 512-518 (2016)                          | 2016 | USA         | C18-300 | 3um,             |
| AP1879 | Novel approaches to optimize extraction processes of ursolic, oleanolic and rosmarinic acids from <i>Rosmarinus officinalis</i> leaves                                                                                 | J. Bernatoniene, U. Cizauskaite, L. Ivanauskas, V. Kakstas, Z. Kalveniene, D.M.                                                                                        | Industrial Crops and Products, 84, 72-79 (2016)              | 2016 | Lithuania   | C18     | 5um, 250 x 4.6   |
| AP1880 | Synthesis and Pharmacological Evaluation of [ <sup>11</sup> C]Granisetron and [ <sup>18</sup> F]Fluoropalonosetron as PET probes for 5-HT <sub>2</sub> Receptor                                                        | L. Mu, A. M. Herde, P. M. Ruefli, F. Sladojevich, S. M. Sankaranarayanan, S. D. Kramer, A. J.                                                                          | ACS Chem. Neurosci., 7, 1552-1564 (2016)                     | 2016 | Switzerland | C18-AR  | 3um, 50 x 4.6    |
| AP1881 | Total synthesis of (-)-hymenostetin                                                                                                                                                                                    | U. Kauh, L. Andernach, S. Weck, L.P. sandjo, S. Jacob, E. Thines, T. Opatz                                                                                             | J. Org. Chem., 81, 215-228 (2016)                            | 2016 | Germany     | C18-PFP | 5um, 150 x 30    |

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| AP1882 | Determination of hispidulin in the flowers of <i>Inula viscosa</i> (L.) using HPLC and HPTLC methods                                                                                                                    | A. Gokbulut<br>I.A. Ahmed, I.A. Amary, A.M. El-Helw, K.M. Hosny, K.M. El-G...                                                                                                                | Turkish Journal of Pharmaceutical Sciences, (2016)          | 2016 | Turkey     | C18                         | 5um, 250 x 4.6   |
| AP1883 | Depot injectable atorvastatin biodegradable in situ gel: development, optimization, in vitro and in vivo evaluation                                                                                                     | El-Helw, K.M. Hosny, K.M. El-G...                                                                                                                                                            | Drug Design, Development and Therapy, 10, 405-415 (2016)    | 2016 | Egypt      | C8                          | 5um, 50 x 2.1    |
| AP1884 | A batch correction method for liquid chromatography-mass spectrometry data that does not depend on quality control samples                                                                                              | M. Rusilowicz, M. Dickinson, A. Charlton, S. O'Keefe, J. Wilson<br>V. Gressler, A.K.L. Franzen, G.J.M.M. de Lima, F.C. Tavernari, O.A. Dalla Costa, V. B...                                  | Metabolomics, 12:56 (2016)                                  | 2016 | UK         | AQ                          | 3um, 150 x 3.0   |
| AP1885 | Development of a readily applied method to quantify ractopamine residue in meat and bone meal by QuEChERS-LC-MS/MS                                                                                                      | D.M. Kasote, R. Ghosh, J.Y. Chung, J. Kim, I. Bae, H. Bae                                                                                                                                    | J. Chrom. B, 1015, 192-200 (2016)                           | 2016 | Brazil     | C18                         | 5um, 150 x 4.6   |
| AP1886 | Multiple reaction monitoring mode based liquid chromatography-mass spectrometry method for simultaneous quantification of brassinolide and other plant hormones involved in abiotic stresses                            | H. Rajerison, D. Pave, A. Roumesy, N. Louaisil, F. Boeda, A. Faivre-Chauvet, J-F Gestin, S. L...                                                                                             | International Journal of Analytical Chemistry (2016)        | 2016 | Korea      | UltraCore SuperPhenyl Hexyl | 2.5um, 150 x 4.6 |
| AP1887 | Ionic liquid supported organotin reagents to prepare molecular imaging and therapy agents                                                                                                                               | G.A. Kullak-Ublick, C. Gubler, K. Spanaus, M.G. Ismail, T. C. da Silva, A. Jetter                                                                                                            | Organic and Biomolecular Chemistry, 14, 2121 (2016)         | 2016 | France     | C18                         | 3um, 150 x 3.0   |
| AP1888 | No major effects of vitamin D3 (1,25 dihydroxyvitamin D3) on absorption and pharmacokinetics of folic acid and fexofenadine in healthy volunteers                                                                       | P. Cerini, H. Gaertner, K. Madden, I. Tolstorukov, S. Brown, B. Laukens, N. Callewaert, J. harner, A.M. Oommen, J.T. Harms, A.R. Sump, R.C. sealock, D.J. Peterson, S.K. Johnson, S.B. Ak... | Eur. J. Clin. Pharmacol., (2016)                            | 2016 | witzerland | Excel C18-AR                | 2um, 50 x 2.1    |
| AP1889 | A scalable low-cost cGMP process for clinical grade production of the HIV inhibitor 5P12-RANTES in <i>Pichia pastoris</i>                                                                                               | G. Flores, M.L. Ruiz del Castillo                                                                                                                                                            | Protein Expression and Purification 119, 1-10 (2016)        | 2016 | witzerland | C8-300                      | 3um, 150 x 4.6   |
| AP1890 | Cancer-related constituents of strawberry jam as compared with fresh fruit                                                                                                                                              | S-H Yim, S-H Nam                                                                                                                                                                             | Cancers 8, (2016)                                           | 2016 | Spain      | C18                         | 5um, 250 x 4.6   |
| AP1891 | Physicochemical, nutritional and functional characterization of 10 different pear cultivars ( <i>Pyrus</i> spp.)                                                                                                        | F. el Bahhaj, I. Denis, L. Pichavant, R. Delatouche, F. Collette, C. Linot, D. Pouliqueb, M. Gregoire, V. heroguez, C. Blanquart, P. Bertrand                                                | Journal of Applied Botany and Food Quality 89, 73-81 (2016) | 2016 | Korea      | C18                         | 5um, 250 x 4.6   |
| AP1892 | Histone deacetylase inhibitors delivery using nanoparticles with intrinsic passive tumour targeting properties for tumour therapy                                                                                       | R. N. Lakshmi, P. Prahlad, SK Mastanamma, N. Ravindra, M. Basaveswara                                                                                                                        | Thermostics, 6(6), 795-807 (2016)                           | 2016 | France     | C18                         | 5um, 250 x 4.6   |
| AP1893 | UPLC separation analysis of emtricitabine, tenofovir, cobicistat and elvitegravir from their degradation products                                                                                                       | G. Flores, M.L.R. del Castillo                                                                                                                                                               | Int. J. Pharm. And Pharm. Sci., 8 (4), 362-369 (2016)       | 2016 | India      | C18                         | 2um, 50 x 3.0    |
| AP1894 | Accumulation of anthocyanins and flavonols in black currants ( <i>Ribes nigrum</i> L.) by pre-harvest methyl jasmonate treatments                                                                                       | L. wang, H. Shao, X. Luo, R. Wang, Y. Li, Y. Li Y. Luo, Z.                                                                                                                                   | J. Sci. Food Agric., (2016)                                 | 2016 | Spain      | C18                         | 5um, 250 x 4.6   |
| AP1895 | Effect of ozone treatment on deoxynivalenol and wheat quality                                                                                                                                                           | S. Llona-Minguez, A. Hogland, S.A. Jacques, L. Johansson, J.M. Calderon-Montano, M. Claesson, O. Loseva et al                                                                                | PLOS ONE Jan 2016                                           | 2016 | China      | C18-HL                      | 5um, 250 x 4.6   |
| AP1896 | Discovery of the first potent and selective inhibitors of human dCTP pyrophosphatase 1                                                                                                                                  | S.W. Huskey, C. Zhu, A. Fredenhagen, J. Kuhnol, A. Luneau, Z. Jian, Z. Yang, Z. Miao, F. Yang, J.P. Jain, G. Sunkara, J.B. Mangold, D.S. St...                                               | J. Med. Chem., 59, 1140-1148 (2016)                         | 2016 | Sweden     | C8                          | 3um, 50 x 3.0    |
| AP1897 | KAE609 (cipargamin) , a new spiroindolone agent for the treatment of malaria: Evaluation of the absorption, distribution, metabolism and excretion of a single oral 300-mg dose og [14C]KAE609 in healthy male subjects | S.W. Huskey, C. Zhu, M.M. Lin, R.R. Forseth, H. Gu, O. Simon, F.K. Eggimann, M. Kittelmann, A. Luneau, A. Vargas, H. Li, L. Wang, H.J. Einolf, J. Zhang, S. Favara, H. He, J.B. Mangold      | Drug Metab. Dispos., 44, 672-682 (2016)                     | 2016 | USA        | C18                         | 5um, 50 x 2.1    |
| AP1898 | Identification of three nvel ring expansion metabolites of KAE609, a new spiroindolone agent for the treatment of malaria, in rats, dogs and humans                                                                     | M. Bener, M. Ozyurek, K. Guclu, R. Apak                                                                                                                                                      | Drug Metab. Dispos., 44, 653-664 (2016)                     | 2016 | USA        | C8                          | 5um, 50 x 2.1    |
| AP1899 | Optimization of microwave-assisted extractyion of curcumin from <i>Curcuma longa</i> L. (turmeric) and evaluation of antioxidant activity in multi-test systems                                                         |                                                                                                                                                                                              | Records of Natural Products, 10 (5), 542-554 (2016)         | 2016 | Turkey     | C18                         | 5um, 250 x 4.6   |

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| AP1900 | Effect of <i>Perilla frutescens</i> extracts and rosmarinic acid on rat heart mitochondrial functions                                                                                                                                      | L. Raudone, D. Burdulis, R. Raudonis, V. Januis, L. Jankauskiene, P. Viskelis, S. Trumbeckaite                                     | Acta Poloniae Pharmaceutica - Drug Research, 73 (1), 135-145 (2016)    | 2016 | Lithuani | C18         | 5um, 150 x 4.6  |
| AP1901 | Optimization of ultrasound-assisted extraction of arbutin from leaves of <i>Pyrus elaeagnifolia</i> Pallas ssp. <i>elaegnifolia</i> (Rosaceae) by response surface methodology                                                             | M. Donmez Sahin, I. Bulduk                                                                                                         | Int. J. Engineering Research and Applications, 6 (1), 79-89 (2016)     | 2016 | Turkey   | C18         | 5um, 250 x 4.6  |
| AP1902 | RP-HPLC method for simultaneous estimation of impurities from emtricitabine and tenofovir disoproxil fumarate tablet                                                                                                                       | A.Mali, U. More                                                                                                                    | Int. J. Phar. Sci. and Res., 7 (4), 1662-1669 (2016)                   | 2016 | India    | C18         | 5um, 250 x 4.6  |
| AP1903 | Stability-indicating RP-HPLC methods for the determination of fluorometholone in its mixtures with sodium cromoglycate and tetrahydrozoline hydrochloride                                                                                  | R. El-Bagary, M.A. Fouad, M.A. El-Shal, E.H. Tolva                                                                                 | J. Chrom. Sci., (2016)                                                 | 2016 | Egypt    | Generix C18 | 5um, 250 x 4.6  |
| AP1904 | Neurobiological evaluation of thirty-one medicinal plant extracts using microtiter enzyme assays                                                                                                                                           | I.E. Orhan, F.S. Senol, M.Z. Haznedaroglu, H. Koyu, S.A. Erdem, G. Yilmaz, M. Cicek, A.E. Yaprak, E. Ari, N. Kucukboyaci, G. Toker | Clinical Phytoscience, 2 (9), (2016)                                   | 2016 | Turkey   | C18         | 5um, 150 x 4.6  |
| AP1905 | Quantitation of curcuminoid contents, dissolution profile and volatile oil content of turmeric capsules produced at some secondary government hospitals                                                                                    | C. Monton, L. Charoenchai, J. Suksaeree                                                                                            | J. Food and Drug Analysis, (2016)                                      | 2016 | Thailand | C18-PFP     | 5um, 250 x 4.6  |
| AP1906 | Effects of boiling and oil or vinegar on pickled jurubeba ( <i>Solanum paniculatum</i> L.) fruit                                                                                                                                           | M.B. da Silva, L.F.O.S. Rodrigues, T.C. Rossi, M.C. de Souza Vieira, I.O. Minatel, C.D. Lima                                       | African Journal of Biotechnology, 15 (6), 125-133 (2016)               | 2016 | Brazil   | C18         | 5um, 250 x 4.6  |
| AP1907 | Oral norethogaine shows high brain uptake and anti-withdrawal effects not associated with place preference in rodents                                                                                                                      | D.C. Mash, B. Ameer, D. Prou, J.F. Howes, E.L. Maillat                                                                             | Journal of Psychopharmacology (2016)                                   | 2016 | USA      | C18         | 3um, 50 x 2.1   |
| AP1908 | Identification, mechanisms and kinetics of macrolide degradation product formation under controlled environmental conditions                                                                                                               | I. Gozlan, I. Koren, D. Avisar                                                                                                     | Journal of Environmental and Analytical Chemistry, 3 (1), (2016)       | 2016 | Israel   | C18         | 5um, 250 x 2.1  |
| AP1909 | Simultaneous RP-HPLC estimation of cefixime trihydrate and ornidazole in combined tablet dosage form                                                                                                                                       | R. Badmanaban, U.M. Patel, A.S. Patel, C.N. Patel                                                                                  | Int. J. Comprehensive Leading research in Science, 2 (2), 31-48 (2016) | 2016 | India    | C18         | 5um, 150 x 4.6  |
| AP1910 | A study of the possible effect of pomegranate juice on the pharmacokinetics of candesartan in rat plasma by using a bioanalytical method - liquid chromatography/mass spectrometry (LC-MS/MS)                                              | A. Al-Kawaz, W.A. Dayyih, E. Mallah, M. Hamad, T. Arafat                                                                           | Int. J. Pharmacy and Technology, 8 (1), 10200-10216 (2016)             | 2016 | Jordan   | C18         | 5um, 50 x 2.1   |
| AP1911 | Pharmacokinetics of methocarbamol and phenylbutazone in exercised thoroughbred horses                                                                                                                                                      | H.K. Knyen, S.D. Stamey, K.N. Seminoff, D.S. Mckemie, P.H.                                                                         | J. Vet. Pharmacol. Therap. (2016)                                      | 2016 | USA      | C18         | 3um, 100 x 2.1  |
| AP1912 | Highly sensitive LC-MS/MS-ESI method for determination of phenelzine in human plasma and its applications to a human pharmacokinetic study                                                                                                 | R.R. Kallem, B. Jillela, A.R. Ravula, R. Samala, A. Andy, M. Ramesh, JVLN S. Rao                                                   | J. Chrom. B, 1022, 126-132 (2016)                                      | 2016 | India    | C18         | 5um, 100 x 4.6  |
| AP1913 | Determination of synthetic food colorants in powder beverage samples by on-line HPLC-Cupric reducing antioxidant capacity (CUPRAC) assay with post-column detection                                                                        | F.A. O. Olgun, B.D. Ozturk, R. Apak                                                                                                | Chromatographia, 79, 199-2018 (2016)                                   | 2016 | Turkey   | C18         | 5um, 250 x 4.6  |
| AP1914 | Highly oxygenated sesquiterpene lactones from <i>Cousinia aitchisonii</i> and their cytotoxic properties: Rhaserolide induces apoptosis in human T lymphocyte (Jurkat) cells via the activation of c-Jun N-terminal kinase phosphorylation | M. Manshary, Z. Fayaram-Najaran, J. Kasaiian, M. Ghandadi, S.A. Emami, J. Asili, J.N. Chandran, B. Schneider, M. Manshary          | Phytotherapy Research, 30, 222-226 (2016)                              | 2016 | Iran     | C18         | 5um, 250 x 21.2 |
| AP1915 | Metabolomic profiling of post-mortem brain reveals changes in amino acid and glucose metabolism in mental illness compared with controls (supplementary info available)                                                                    | R. Zhang, T. Zhang, A.M. Ali, M. A. Washih, B. Pickard, D.G. Watson                                                                | Computational and Structural Biotechnology Journal, 14, 106-116 (2016) | 2016 | UK       | C18         | 3um, 150 x 3.0  |
| AP1916 | Influence of chitosan coating on protein-based nanohydrogels properties and in vitro gastric digestibility                                                                                                                                 | A.I. Bourbon, A.C. Pinheiro, M.A. Cerqueira, A.A. Vicente                                                                          | Food Hydrocolloids, 60 109-118 (2016)                                  | 2016 | Portugal | C18         | 5um, 250 x 4.6  |
| AP1917 | Evaluation of chemical properties for cold pressed onion, okra, rosehip, safflower and carrot seed oils: Triglyceride, fatty acid and tocol compositions                                                                                   | M. Topkafa                                                                                                                         | Analytical Methods, (2016)                                             | 2016 | Turkey   | C18         | 5um, 250 x 4.0  |
| AP1918 | An implementation of central composite design: Effect of microwave and conventional heating techniques on the triglyceride composition and trans isomer formation in corn oil                                                              | M. Topkafa, H.F. Ayyildiz                                                                                                          | International Journal of Food Properties, (2016)                       | 2016 | Turkey   | C18         | 5um, 250 x 4.0  |
| AP1919 | Pharmacokinetics of mangrocin and its metabolite - moradinol, Part I: Systemic evaluation of hepatic first-pass effect in vitro and in vivo                                                                                                | X. Tian, Y. Gao, Z. Xu, S. Lian, Y. Ma, X. Guo, P. Hu, Z. Li, C. Huang                                                             | BioFactors (2016)                                                      | 2016 | China    | C18         | 3um, 100 x 2.1  |

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| AP1920 | Forensic electrochemistry: simultaneous voltammetric detection of MDMA and its fatal counterpart 'Dr Death' (PMA)                                                                                        | L.R. Cumba, J.P. Smith, K.Y. Zuway, O.B. Sutcliffe, D.R. do Carmo, C.E. Banks                                                               | Anal. Methods, 8, 142-152 (2016)                                                    | 2016 | UK       | C18                | 3um, 150 x 4.6 |
| AP1921 | Cyanobacteria and eukaryotic algae use different chemical variants of vitamin B12                                                                                                                        | K.E. Helliwell, A.D. Lawrence, A. Holzer, U.J. Kudahl, S. Sasso, B. Krautler, D.J. Scanlan, M.J. Warren, A.G. Smith                         | Current Biology, 26, 999-1008 (2016)                                                | 2016 | UK       | AQ                 | 5um, 150 x 2.1 |
| AP1922 | Effect of bee venom and its fractions on the release of pro-inflammatory cytokines in PMA-differentiated U937 cells co-stimulated with LPS - supplementary info available                                | J. Tusimire, J. Wallace, N. Woods, M.J. Duffton, J.A. Parkinson, G. Abbott, C.J. Clements, L. Young, J.K. park, J.W. jeon, V.A. Ferro, D.G. | Vaccines, 4, 11 (2016)                                                              | 2016 | UK       | C18                | 3um, 150 x 3.0 |
| AP1923 | Evaluation of the topical spray containing Centella asiatica extract and its efficacy on excision wounds in rats                                                                                         | S. Sawatdee, K. Choochuay, W. Chanthorn, T. Srichana                                                                                        | Acta Pharm. 66, 233-244 (2016)                                                      | 2016 | Thailand | C18-AR             | 5um, 250 x 4.6 |
| AP1924 | Towards improved membrane production: using low-toxicity solvents for the preparation of PEEK nanofiltration membranes                                                                                   | J. da Silva Burgal, L. Peeva, A. Livingston                                                                                                 | Green Chem., 18, 2374-2384 (2016)                                                   | 2016 | UK       | C18-300            | 5um            |
| AP1925 | Effect of the sphingosine kinase 1 selective inhibitor, PF-543 on arterial and cardiac remodeling in a hypoxic model of pulmonary arterial hypertension                                                  | N. MacRitchie, G. Volpert, M.A. Washih, D.G. Watson, A.H. Futerman, S. Kennedy, S. Pyne, N.J. Pyne                                          | Cellular Signalling, 28, 946-955 (2016)                                             | 2016 | UK       | C18                | 3um, 150 x 3.0 |
| AP1926 | Plackett-Burman design and fragmentation studies to assist the comparison of techniques used to extract phospholipids prior to regiospecific characterization by liquid chromatography mass spectrometry | P. Araujo, H. Zhu, J.F. Breivik, J.I. Hjelle, Y. Zeng, S.A. Mjos                                                                            | American Journal of Modern Chromatography, 3 (1), 1-22, (2016)                      | 2016 | Norway   | C18                | 5um, 125 x 2.1 |
| AP1927 | Development and validation of an LC-ESI-MS/MS method for the simultaneous quantification of naproxen and sumatriptan in human plasma: application to a pharmacokinetic study                             | J.M. Bretas, R.C. Cesar, C.M. Bretas, L. De Souza Teixeira, K.B. Bellorio, I.M. Mundim, G.A.                                                | 2016 Bioanal. Chem., 408, 3981-3992 (2016)                                          | 2016 | Brazil   | C18                | 5um, 50 x 4.6  |
| AP1928 | Biology of preimplantation conceptus at the onset of elongation in dairy cows                                                                                                                            | E.S. Ribeiro, L.F. Greco, R.S. Bisinotto, F.S. Lima, W.W. Thatcher, J.E. Santos                                                             | Biology of Reproduction, 94 (4), 97, 1-18 (2016)                                    | 2016 | USA      | C18-PFP            | 2um, 100 x 2.1 |
| AP1929 | The role of acid-base imbalance in statin-induced myotoxicity                                                                                                                                            | D.A. Taha, C.H. de Moor, D.A. Barrett, J.B. Lee, R.D. Gandhi, C.W. Hoo, P. Gershkovich                                                      | Translational Research, The Journal of Laboratory and Clinical Medicine (2016)      | 2016 | UK       | Excel SuperC18     | 3um, 100 x 3.0 |
| AP1930 | Design and synthesis of tesirine, a clinical antibody-drug conjugate pyrrolbenzodiazepine dimer payload                                                                                                  | A.C. Tibergmen, J. Levy, L.A. Masterson, N.V. Patel, L.R. Adams, S. Corbett, D.G. Williams, J.A. Hartley, P.W.                              | ACS Medicinal Chemistry Letters (2016)                                              | 2016 | UK       | Excel C18-AR       | 2um, 100 x 3.0 |
| AP1931 | Development and validation for simultaneous estimation of quinapril hydrochloride and hydrochlorothiazide in tablet dosage form by RP-HPLC                                                               | R.K. Govinda, D.K. Mrudula, M. Pavani                                                                                                       | World Journal of Pharmaceutical Research, 5 (30), 1295 (2016)                       | 2016 | India    | C18                | 5um, 150 x 4.6 |
| AP1932 | Systematic investigation of EDC/sNHS-mediated bioconjugation reactions for carboxylated peptide substrates                                                                                               | K.A. Totaro, X. Liao, K. Bhattacharya, J.I. Finneman, J.B. Sperry, M.A. Massa, J. Thorn, S.V. Ho, B.L. Pentelute                            | Bioconjugate Chemistry, 27, 994-1004 (2016)                                         | 2016 | USA      | C18-AR             | 3um, 150 x 4.6 |
| AP1933 | Biological effects of 6-formylindolo[3,2-b]carbazole (FICZ) in vivo are enhanced by loss of CYP1A function in an Ahr2-dependent manner                                                                   | W. Wincent, A. Kubota, A. Timme-Laragy, M.E. Jonsson, M.E. Hahn, J.J. Stegeman                                                              | Biochemical Pharmacology, 110-111, 117-129 (2016)                                   | 2016 | India    | C18-AR             | 5um, 150 x 4.6 |
| AP1934 | Synthesis and antimicrobial evaluation of two peptide LyeTx 1 derivatives modified with the chelating agent HYNIC for radiolabelling with technetium-99m                                                 | L.L. Fuscaldi, D.M. dos Santos, N.G.S. Pinheiro, R.S. Araujo, A.L.B. de Barros, J.M. Resende, S.O. A. Fernandes, M.E. de Lima, V.N. Cardoso | Journal of venomous Animals and Toxins including Tropical Diseases, 22 (16), (2016) | 2016 | Brazil   | C8                 | 5um, 250 x 4.6 |
| AP1935 | Development and validation of a HPLC-UV method for determination of Proscillaridin A in <i>Drimys maritima</i>                                                                                           | M. Bozorgi, G. Amin, S. Kasebzade, M. Shekarchi                                                                                             | Research Journal of Pharmacognosy, 3 (3), 1-7 (2016)                                | 2016 | Iran     | C18                | 5um, 250 x 4.6 |
| AP1936 | Isoflavones and biotransformed dihydrodaidzein in hairy roots of Korean wild arrowroot                                                                                                                   | E. Lee, T-H. Park                                                                                                                           | J. Plant Biotechnol. 43, 125-131 (2016)                                             | 2016 | Korea    | C18                | 5um, 250 x 4.6 |
| AP1937 | Embryonic stage-dependent teratogenicity of ketamine in zebrafish ( <i>Danio rerio</i> )                                                                                                                 | L.M. Felix, C. Serafim, A.M. Valentim, L.M. Antunes, S. Campos, M. Matos, A.M. Coimbra                                                      | Chemical Research in Toxicology (2016)                                              | 2016 | Portugal | UltraCore SuperC18 | 5um, 150 x 4.6 |

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| AP1938 | An integrated multi-omics approach reveals the effects of supplementing grass or grass hay with vitamin E on the rumen microbiome and its function | A. Belanche, A.H. Kingston-Smith, C.J. Newbold                                                                                                                                         | Frontiers in Microbiology, 7 (905), (2016)                   | 2016 | UK           | SIL                | 5um, 150 x 4.6     |
| AP1939 | Uptake of 8:2 perfluoroalkyl phosphate diester and its degradation products by carrot and lettuce from compost-amended soil                        | L. Bizkaia, I. Zabala, A. Prieto, L.A. Fernandez, O.                                                                                                                                   | Chemosphere, 152, 309-317 (2016)                             | 2016 | Spain        | UltraCore SuperC18 | 2.5um, 50 x 2.1    |
| AP1940 | Novel cyclobutene and cyclobutane-functionalized fatty acids are incorporated into complex lipids and impact function of HepG2 cells               | C. Ahowesso, W. Sittiwong, J.W. Allen, N. Wase, B. Tu, J. Adamec, P.H. Dussault, P.N. Black, C.C. DiRusso                                                                              | Metabolomics, 6 (2), (2016)                                  | 2016 | USA          | C8-300             | 5um, 100 x 2.1     |
| AP1941 | Chemical characterization of Nigerian red propolis and its biological activity against <i>Trypanosoma brucei</i>                                   | R.M.K. Omar, J. Igoli, A.I. Gray, G.U. Ebiloma, C. Clements, J. Fearley, R.A.E. Ebel, T. Zhang, H.P. de Koning, D.G. Watson                                                            | Phytochemical analysis, 27, 107-115 (2016)                   | 2016 | UK           | C18                | 3um, 150 x 3.0     |
| AP1942 | Chemical and antimicrobial profiling of propolis from different regions within Libya                                                               | W. Siheri, T. Zhang, G.U. Ebiloma, M. Biddau, N. Woods, M.Y. Hussain, C.J. Clements, J. Feranley, R.E. Evel, T. Paget, S. Muller, K.C. Carter, V.A. Ferro, H.P. De Koning, D.G. Watson | PLOS ONE (2016)                                              | 2016 | UK           | C18                | 3um, 150 x 3.0     |
| AP1943 | Determination of fenofibric acid in human plasma by LC-MS/MS and LC-UV                                                                             | T. Arafat, B. Arafat, A.A. Awwad, O.J. Schmitz                                                                                                                                         | Chromatographia 79, 685-692 (2016)                           | 2016 | Jordan       | C18                | 50 x 2.1, 50 x 4.6 |
| AP1944 | Chromatographic analysis of Polygalae Radix by online hyphenating pressurized liquid extraction (supplementary info available as well)             | Y. Song, Q. Song, J. Li, S. Shi, L. Guo, Y. Zhao, Y. Jiang, P. Tu                                                                                                                      | Scientific Reports, 6, 27303 (2016)                          | 2016 | China        | UltraCore SuperC18 | 2.5, 100 x 2.1     |
| AP1945 | In vitro evaluation of metal chelators as potential metallo-β-lactamase inhibitors                                                                 | R. Azumah, J. Dutta, A.M. Somboro, M. Ramtahal, L. Chonco, R. Parboosing, L.A. Bester, H.G. Kruger, T. Naicher, S.Y. Essack, T. Govender                                               | Journal of Applied Microbiology, 120, 860-867 (2016)         | 2016 | South Africa | C18                | 5um, 150 x 21.2    |
| AP1946 | Replenishment and mobilization of intracellular nitrogen pools decouples wine yeast nitrogen uptake from growth                                    | A. Gutierrez, M. Sancho, G. Beltran, J.M. Guillamon, J. Warringer                                                                                                                      | Applied Microbial and Cell Physiology, 100, 3255-3265 (2016) | 2016 | Sweden       | C18-HL             | 5um, 250 x 4.6     |
| AP1947 | CETSA screening identifies known and novel thymidylate synthase inhibitors and slow intracellular activation of 5-fluorouracil                     | H. Almqvist, H. Axelsson, R. Jafari, C. Dan, A. Mateus, M. Haraldsson, A. Larsson, D. M. Molina, P. Artursson, T. Lundback, P. Nordlund                                                | Nature Communications, (2016)                                | 2016 | Sweden       | C8                 | 3um, 50 x 3.0      |
| AP1948 | Lipotoxicity in steatohepatitis occurs despite an increase in tricarboxylic acid cycle activity                                                    | R.E. Patterson, S. Kalavalapalli, C.M. Williams, M. Nautiyal, J.T. Mathew, J. Martinez, M.K. Reinhard, D.J. McDougall, J.R. Rocca, R.A. Yost, K. Cusi, T.J. Garrett, N.E. Sunny        | Am. J. Physiol. Endocrinol. Metab., 310, E484-E494 (2016)    | 2016 | USA          | C18-PFP            | 2um, 100 x 2.1     |
| AP1949 | Difference in the pharmacokinetics and hepatic metabolism of antidiabetic drugs in Zucker diabetic fatty and Sprague-Dawley rats                   | X. Zhou, L.R.A. Rougee, D.W. Bedwell, J.W. Cramer, M.A. Mohutsky, N.A. Calvert, R.D. Moulton, K.C. Cassidy, N.P. Yumibe, L.A. Adams, K.J. Ruterbories                                  | Drug Metabolism and Disposition, 44, 1184-1192 (2016)        | 2016 | USA          | UltraCore SuperC18 | 5um, 30 x 2.1      |
| AP1950 | Low-dose lipopolysaccharide (LPS) inhibits aggressive and augments depressive behaviours in a chronic mild stress model in mice                    | Y. Couch, A. Trofimov, N. Markova, V. Nikolenko, H.W. Steinbusch, V. Chekhonin, C. Schroeter, K-P. Lesch, D.C. Anthony, T. Strekalova                                                  | Journal of Neuroinflammation, 13: 108 (2016)                 | 2016 | UK           | C18                | 3um, 100 x 2.1     |
| AP1951 | Hypericum perforatum improve memory and learning in Alzheimer's model: (Experimental study in mice)                                                | K. Zerrouki, N. Djebli, E.E. Ozkan, N. Ozsoy, O. Gul, A. Mat                                                                                                                           | Int. J. Pharm. Pharm. Sci., 8 (8), 49-57 (2016)              | 2016 | Algeria      | C18                | 5um, 250 x 4.6     |
| AP1952 | Process development of the synthesis and purification of a reactive immune-PET conjugate intermediate                                              | D.E. Carrera, T. Nguyen, C. Medley, Y. Li, R. Angelaud, F. Cassella                                                                                                                    | Org. Process Res. Dev., 20, 312-318 (2016)                   | 2016 | USA          | C18-HL             | 3um, 50 x 3.0      |



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| AP1953 | A LC-MS/MS assay for the quantitative determination of 2-pyridyl acetic acid, a major metabolite and key surrogate for betahistine, using low volume human K2EDTA plasma                                                                       | K. Soni, C. Bhatt, K. Singh, PC Bhuvaneshwari, A. Jha, P. Patel, H. Patel, NR Srinivas                                                                                                                                                                       | J. Biomed. Chrom. (2016)                                    | 2016 | India       | CN                 | 5um, 50 x 4.6    |
| AP1954 | Green extraction technique: Subcritical water extraction of Emilia sonchifolio (L.)                                                                                                                                                            | O. Anurukvorakun                                                                                                                                                                                                                                             | World Journal of Environmental Research, 6 (91), 2-6 (2016) | 2016 | Thailand    | C18-AR             | 5um, 250 x 4.6   |
| AP1955 | Proximate composition and nutritional profile of the black sea anchovy (Engraulis encrasicolus) whole fish, fillets and by-products                                                                                                            | G. Gencbay, S. Turhan                                                                                                                                                                                                                                        | Journal of Aquatic Food Product Technology (2016)           | 2016 | Turkey      | C18-300            | 5um, 250 x 4.6   |
| AP1956 | Determination of tricyclic antidepressants in biota tissue and environmental waters by liquid chromatography-tandem mass spectrometry                                                                                                          | H. Ziarrusta, L. Mijangos, A. Prieto, N. Etxebarria, O. Zuloaga, M. Olivares                                                                                                                                                                                 | Anal. Bioanal. Chem., 408, 1205-1216 (2016)                 | 2016 | Spain       | UltraCore SuperC18 | 2.5um, 50 x 2.1  |
| AP1957 | Ocular metabolism of levobunolol: Historic and emerging metabolic pathways                                                                                                                                                                     | U.A. Argikar, J.L. Dumouchel, C.E. Dunne, C. Saran, A.L. Cirello, M. Gunduz                                                                                                                                                                                  | Drug Metabolism and Disposition 44, 1304-1312 (2016)        | 2016 | Italy       | C18                | 3um              |
| AP1958 | Pyrrrolizidine alkaloid-protein adducts: Potential non-invasive biomarkers of pyrrolizidine alkaloid-induced liver toxicity and exposure                                                                                                       | Q. Xia, Y. Zhao, G. Lin, F.A. Beland, L. Cai, P.P. Fu                                                                                                                                                                                                        | Chem. Res. Toxicol., (2016)                                 | 2016 | USA         | AQ                 | 5um, 50 x 2.1    |
| AP1959 | Coproporphyrins in plasma and urine can be appropriate clinical biomarkers to recapitulate drug-drug interactions mediated by organic anion transporting polypeptide inhibition (supplementary info available)                                 | Y. Lai, S. Mandekar, H. Shen, V.K. Holenarsipur, R. Langish, P. Rajanna, S. Murugesan, N. Gaud, S. Selvam, O. Date, Y. Cheng, P. Shipkova, J. Dai, W.G. Humphreys, P. Marathe                                                                                | J. Pharmacol. Exp. Ther. 358, 397-404 (2016)                | 2016 | India       | Excel C18          | 2um, 150 x 2.1   |
| AP1960 | Ultrafiltration-based extraction and HPLC analysis of naproxen sodium in human plasma samples: An innovative approach to pharmaceutical analysis                                                                                               | M. Celebier, M. Nenni, S. Altinoz                                                                                                                                                                                                                            | Pharmaceutical Chemistry Journal, 50 (4), (2016)            | 2016 | Turkey      | C18                | 5um, 150 x 4.6   |
| AP1961 | Synthesis and evaluation of novel 7- and 8-aminophenoxazinones for the detection of $\beta$ -alanine aminopeptidase activity and the reliable identification of Pseudomonas aeruginosa in clinical samples                                     | A.F. Bedernjak, A.V. Zaytsev, M. Babolat, M. Cellier, A.L. James, S. Oregna, J.D. Perry, P.W. Groundwater, R.J. Anderson                                                                                                                                     | J. Med. Chem., 59, 4476-4487 (2016)                         | 2016 | UK          | C18                | 5um, 250 x 4.6   |
| AP1962 | New procedure to obtain polyphenol-enriched grapes based on the use of chemical elicitors                                                                                                                                                      | G. Flores, M.L. Ruiz del Castillo                                                                                                                                                                                                                            | Plant Foods Hum. Nutr. 71, 239-244 (2016)                   | 2016 | Spain       | C18                | 5um, 250 x 4.6   |
| AP1963 | Discovery of a high affinity and selective pyridine analog as a potential positron emission tomography imaging agent for cannabinoid type 2 receptor                                                                                           | R. Slavik, U. Grether, A.M. Herde, L. Gobbi, J. Fingerle, C. Ullmer, S.D. Kramer, R. Schibli, L. Mu, S.M. Ametamey                                                                                                                                           | J. Med. Chem., 58, 4266-4277 (2016)                         | 2016 | Switzerland | C18-AR             | 3um, 50 x 4.6    |
| AP1964 | Sensitive profiling of phenols, bile acids, sterols and eicosanoids in mammalian urine by large volume direct injection-online solid phase extraction-ultra high performance liquid chromatography-polarity switching tandem mass spectrometry | Y. Liu, Q. Song, J. Zheng, J. Li, Y. Zhao, C. Li, Y. Song, P. Tu                                                                                                                                                                                             | RSC Adv., 6, 81826-81837 (2016)                             | 2016 | China       | UltraCore SuperC18 | 2.5um, 150 x 3.0 |
| AP1965 | Quantitative determination of saroglitazar, a predominantly PPAR alpha agonist, in human plasma by a LC-MS/MS method utilizing electrospray ionization in a positive mode                                                                      | A. Ghognani, K. Dash, C. Bhatt, K. Singh, A. Jha, H. Patel, R. Gupta, K. Kansagra, N.R. Choudhary                                                                                                                                                            | Biomed. Chromatogr. 1-8 (2016)                              | 2016 | India       | C18                | 5um, 100 x 4.6   |
| AP1966 | $\beta$ -Methylphenylethylamines: common fragmentation pathways with amphetamines in electrospray ionization collision-induced dissociation (supplementary info available)                                                                     | D.H. Brown, R. Hansson, F. Oosthuizen, N. Sumner                                                                                                                                                                                                             | Drug Test. Analysis, 8, 344-350 (2016)                      | 2016 | Australia   | Excel SuperC18     | 3um, 100 x 3.0   |
| AP1967 | Selection and identification of molecular gold clusters at the nano(gram) scale: Reversed-phase HPLC-ESI-MS of a mixture of Au-Peth MPCs                                                                                                       | D.M. Black, N. Bhattarai, S.B.H. Bach, R.L. Whetten                                                                                                                                                                                                          | J. Phys. Chem. Lett. 7, 3199-3205 (2016)                    | 2016 | USA         | Phenyl-300         | 3um, 150 x 0.5   |
| AP1968 | Analgesic exposure in pregnant rats affects fetal germ cell development with inter-generational reproductive consequences                                                                                                                      | A. Dean, S. van den Driesche, Y. Wang, C. McKinnell, S. Macpherson, S.L. Eddie, H. Kinnell, P. Hurtado-Gonzalez, T.J. Chambers, K. Stevenson, E. Wolfinger, L. Hrabalkova, A. Calarrao, R.A. L. Bayne, C.P. Hagen, R.T. Mitchell, R.A. Anderson, R.M. Sharpe | Nature (2016)                                               | 2016 | UK          | Excel SuperC18     | 2um, 150 x 3.0   |
| AP1969 | The novel chemical mechanism of the twister ribozyme                                                                                                                                                                                           | T.J. Wilson, Y. Liu, C. Domnick, S. Kath-Schorr, D.M.J. Lilley                                                                                                                                                                                               | J. Am. Chem. Soc. 138, 6151-6162 (2016)                     | 2016 | UK          | C18-AR             | 5um, 250 x 4.6   |

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|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------|----------|-----------|-----------------|
| AP1970 | Chromatographic determination of aminoacridine hydrochloride, lidocaine hydrochloride and lidocaine toxic impurity in oral gel                                                                                    | L.I. Bebawy, M.R. Elghobashy, S.S. Abbas, R.F. Shokry                                                                                                                                        | J. Chrom. Sci., 54 (4), 492-499 (2016)                                 | 2016 | Egypt    | C18       | 5um, 250 x 4.6  |
| AP1971 | Effect of BCRP and P-gp modulators on the penetration of aflatoxin B1 into the mouse brain                                                                                                                        | B. Tras, G. Cetin, K. Uney, B. Dik, O. Corum, S. Atalay                                                                                                                                      | Kafkas Univ Vet Fak Derg, (2016)                                       | 2016 | Turkey   | C18       | 5um, 250 x 4.6  |
| AP1972 | Identification of DYRK1B as a substrate of ERK1/2 and characterization of the kinase activity of DYRK1B mutants from cancer and metabolic syndrome                                                                | A.L. Ashford, T.P.J. Dunkley, M. Cockerill, R.A. Rowlinson, L.M. Baak, R. Gallo, K. Balmanno, L.M. Goodwin, R.A. Ward, P.A. Lochhead, S. Guichard, K. Hudson, S.J. Cook                      | Cellular and Molecular Life Sciences, 73, 883-900 (2016)               | 2016 | UK       | C18       | 150 x 0.075     |
| AP1973 | 7-N-Acetylcysteine-pyrrole conjugate - A potent DNA reactive metabolite of pyrrolizidine alkaloids                                                                                                                | X. He, L. Ma, Q. Xia, P. Fu                                                                                                                                                                  | Journal of Food and Drug Analysis, (2016)                              | 2016 | USA      | C18       | 3um, 150 x 4.6  |
| AP1974 | Discovery of isoquinolinoquinazolinones as a novel class of potent PPAR $\gamma$ antagonists with anti-adipogenic effects                                                                                         | Y. Jin, Y. Han, D.B. Khadka, C. Zhao, K.Y. Lee, W. Cho                                                                                                                                       | Nature - Scientific Reports Oct. 2016                                  | 2016 | Korea    | C18-HL    | 250 x 2.1       |
| AP1975 | Development of curcumin liposome formulations using polyol dilution method                                                                                                                                        | L. Kongkaneramt, P. Aiemsungang, P. Kewsuan                                                                                                                                                  | Songklanakar Journal of Science and Technology (2016)                  | 2016 | Thailand | C18       | 150 x 4.6       |
| AP1976 | Transformation of eutectic emulsion to nanosuspension fabricating with solvent evaporation and ultrasonication technique                                                                                          | T. Phaechamud, S. Tuntarawongsa                                                                                                                                                              | International Journal of Nanomedicine, 11, 2855-2865                   | 2016 | Thailand | C18       | 5um, 250 x 4.6  |
| AP1977 | Evaluation of an amide-based stationary phase for supercritical fluid chromatography                                                                                                                              | A.C. Borges-Munoz, L.A. Colon                                                                                                                                                                | J. Sep. Sci., 39, 3469-3476 (2016)                                     | 2016 | USA      | C18-Amide | 3um, 150 x 3.0  |
| AP1978 | Analysis of non-derivatised bacteriophanepolyols by ultrahigh performance liquid chromatography-tandem mass spectrometry                                                                                          | H.M. Talbot, F.R. Sidgwick, J. Bischoff, K.A. Osborne, D. Rush, A. Sherry, C.L. Spencer-Jones                                                                                                | Rapid Communications in Mass Spectrometry, (2016)                      | 2016 | UK       | Excel C18 | 2um, 100 x 2.1  |
| AP1979 | Do CAD/CAM dentures really release less monomer than conventional dentures?                                                                                                                                       | T. Steinmassl, V. Wiedemann, C. Huck, F. Klaunzer, O. Steinmassl, I. Grunert, H. Dummer                                                                                                      | Clin. Oral Invest., (2016)                                             | 2016 | Austria  | C18       | 5um, 150 x 4.6  |
| AP1980 | Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT2A receptor and IL1- $\beta$ levels in male mice                                                                    | H.M. Savignac, Y. Couch, M. Stratford, D.M. Bannerman, G. Tzortzis, D.C. Anthony, P.W.J. Burnet                                                                                              | Brain Behav. Immun. 52, 120-131 (2016)                                 | 2016 | UK       | C18       | 3um, 125 x 3.0  |
| AP1981 | The anti-malarial atovaquone increases radiosensitivity by alleviating tumour hypoxia                                                                                                                             | T.M. Ashton, E. Fokas, L.A. Kunz-Schughart, L.K. Folkes, S. Anbalagan, M. Huether, C.J. Kelly, G. Pirovano, F.M. Buffa, E.M. Hammond, M. Stratford, R.J. Muschel, G.S. Higgins, W.G. McKenna | Nature Communications, (2016)                                          | 2016 | UK       | C18       | 3um, 125 x 3.0  |
| AP1982 | Effect of brewing process and sugar content on 5-hydroxymethylfurfural and related substances from Turkish coffees                                                                                                | M. Mortas, O. Gul, F. Yazici, M. Dervisoglu                                                                                                                                                  | International Journal of Food Properties (2016)                        | 2016 | Turkey   | C18       | 5um, 250 x 4.6  |
| AP1983 | Dereplication of cytotoxic compounds from different parts of Sophora pachycarpa using an integrated method of HPLC, LC-MS and 1H-NMR techniques (supplementary material available)                                | S. Shour, M. Iranshahy, N. Pham, R.J. Quinn, M. Iranshahi                                                                                                                                    | Natural Product Research, (2016)                                       | 2016 | Iran     | C18       | 5um, 250 x 21.2 |
| AP1984 | Anti-mycobacterial assessment and characterization of 5-O-caffeoylquinic acid methyl ester and rutin from Pavetta crassipes                                                                                       | P.O. Odumosu, W.J. Lough, D. Yakubu, K. Thomas, G. Williamson, N. Haroune                                                                                                                    | J. App. Pharm. Sci., 6 (10), 1-7 (2016)                                | 2016 | UK       | C18       | 5um, 250 x 4.6  |
| AP1985 | Determination of nucleosides in serum by LC-MS/MS following protein precipitation with organic solvent                                                                                                            | S.F. Guedes, C.L. Mendes, R. AparecidaLoss                                                                                                                                                   | Int. J. Latest Research in Science and Technology, 5 (4), 49-53 (2016) | 2016 | Brazil   | C18       | 3um, 150 x 4.6  |
| AP1986 | Simultaneous determination of 8 neurotransmitters and their metabolite levels in rat brain using liquid chromatography in tandem with mass spectrometry: Application to the murine Nrf2 model of oxidative stress | A. Wojnicz, J.A. Ortiz, A.I. Casas, A.E. Freitas, M.G. Lopez, A. Ruiz-Nuno                                                                                                                   | Clinica Chimica Acta, 453, 174-181 (2016)                              | 2016 | Spain    | C18-PFP   | 3um, 150 x 4.6  |
| AP1987 | New cytotoxic callipeltins from the Solomon Island marine sponge Asteropus sp.                                                                                                                                    | M. Stiernot, K.O. Hansen, M. Sharma, K. Feussner, K. Subko, F.F. Diaz-Rullo, J. Isaksson, I. Perez-Victoria, D. Clarke, E. Hansen, M. Jaspars, J.N. Scahill                                  | Tetrahedron, 72, 6929-6934 (2016)                                      | 2016 | UK       | C18-HL    | 50 x 10         |
| AP1988 | A novel short anionic antibacterial peptide isolated from the skin of Xenopus laevis with broad antibacterial activity and inhibitory activity against breast cancer cell                                         | S. Li, L. Hao, W. Bao, P. Zhang, D. Su, Y. Cheng, L. Lie, G. Wang, F. Hou, Y. Yang                                                                                                           | Arch. Microbiol. 198, 473-482 (2016)                                   | 2016 | China    | C8-300    | 250 x 10        |

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|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------|---------|--------------------|-----------------|
| AP1989 | Selective enrichment in bioactive compound from <i>Kniphofia uvaria</i> by super/subcritical fluid extraction and centrifugal partition chromatography                                               | J. Duval, E. Destandau, V. Pecher, M. Poujol, J-F. Tranchant, E. Lesallier                                                                     | J. Chrom. A, 1447, 26-38 (2016)                       | 2016 | France  | C4                 | 5um             |
| AP1990 | Pharmacokinetics of guaifenesin following administration of multiple doses to exercised thoroughbred horses                                                                                          | H.K. Knych, S.D. Stanley, D. Benson, R.M. Arthur                                                                                               | J. Vet. Pharmacol. Therap. 39, 416-419 (2016)         | 2016 | USA     | C18                | 3um, 100 x 2.1  |
| AP1991 | Elimination of cetirizine following administration of multiple doses to exercised thoroughbred horses                                                                                                | H. K. Knych, S.D. Stanley, R.M. Arthur, D.S. McKemie                                                                                           | J. Vet. Pharmacol. Therap., (2016)                    | 2016 | USA     | C18                | 3um, 100 x 2.1  |
| AP1992 | Synthesis of [ <sup>14</sup> C]omarigliptin                                                                                                                                                          | S. Ren, D. Gauthier, R. Marques, R. Helmy, D. Hesk                                                                                             | J. Label Compd. Radiopharm., 59, 386-390 (2016)       | 2016 | USA     | C18                | 3um, 150 x 3.0  |
| AP1993 | Isotope dilution UPLC-APCI-MS/MS method for the quantitative measurement of aromatic diamines in human urine: Biomarkers of diisocyanate exposure                                                    | D. Bhandari, J. Ruhl, A. Murphy, E. McGahee, D. Chambers, B.C. Blount                                                                          | Anal. Chem., 88, 10687-10692 (2016)                   | 2016 | USA     | Excel SuperC18     | 2um, 100 x 2.1  |
| AP1994 | Metabolomics of aging assessed in individual parasitoid wasps                                                                                                                                        | A. Kapranas, C.J.P. Snart, H. Williams, I.C.W. Hardy, D.A. Barrett                                                                             | Nature Scientific Reports, 2016                       | 2016 | UK      | Excel SuperC18     | 2um, 50 x 2.1   |
| AP1995 | Aflatoxin contamination detected in nutrient and anti-oxidant rich edible stink bug stored in recycled grain containers                                                                              | R. Musundire, I. M. Osuga, X. Cheseto, J. Irungu, B. Torto                                                                                     | PLOS one (2016)                                       | 2016 | Kenya   | C18                | 5um, 250 x 4.6  |
| AP1996 | Biomimetic sniffing improves the detection performance of a 3D printed nose of a dog and a commercial trace vapor detector                                                                           | M.E. Staymates, W.A. MacCrehan, J.L. Staymates, R.R. Kunz, T. Mendum, T-H. Ong, G. Geurtsen, G.J. Gillen, B.A.                                 | Nature Scientific Reports, 2016                       | 2016 | USA     | C18                | 3um, 150 x 3.0  |
| AP1997 | Long-term stability and reusability of molecularly imprinted polymers                                                                                                                                | G. Kutup, M. Kazan, S. Buyuktiryaki, R. Kecili, G.                                                                                             | Polymer Chemistry, (2016)                             | 2016 | UK      | C18-300            | 5um, 250 x 4.6  |
| AP1998 | Resolution of a disputed albendazole result in the UK official control system - time for more guidance?                                                                                              | M. Walker, K. Gray, C. Hopley, C. Mussell, L. Clifford, J. Meinerikandathevan, L. Firpo, J.                                                    | Food Additives & Contaminants: Part A (2016)          | 2016 | UK      | Excel C18-AR       | 2um, 150 x 3.0  |
| AP1999 | Qualitative investigation of the decomposition of organic solvent based lithium ion battery electrolytes with LC-IT-TOF-MS                                                                           | C. Schultz, S. Vedder, M. Winter, S. Nowak                                                                                                     | Anal. Chem., 88, 11160-11168 (2016)                   | 2016 | Germany | Excel C18-Amide    | 2um, 100 x 2.1  |
| AP2000 | Bioequivalence study of darunavir ethanolate and darunavir propylene glycolate tablets 800mg in healthy volunteer conditions                                                                         | A.T. Bapuji, M. Nagesh, K.B. Kumar, K.S.S.V.D. Rao, S.M.K. Muthoju, H. L.V. Ravikiran                                                          | Scienia Ricerca (2016)                                | 2016 | India   | C18                | 5um, 100 x 4.6  |
| AP2001 | Dietary fats and pharmaceutical lipid excipients increase systemic exposure to orally administered cannabis                                                                                          | A. Zgair, J.C.M. Wong, J.B. Lee, J. Mistry, O. Sivak, K.M. wasan, I.M. Hennig, D.A. Barrett, C.S. Constantinescu, P.M. Fischer, P. Gershkovich | Am. J. Transl. Res., 8 (8), 3448-3459 (2016)          | 2016 | UK      |                    |                 |
| AP2002 | Trypanosoma brucei methylthioadenosine phosphorylase protects the parasite from the antitrypanosomal effect of deoxyadenosine                                                                        | M. vonnau, F. Kanjorian, A. Pavlova, H.P. de Konig, A.                                                                                         | J. Biol. Chem., 291 (22), 11717-11726 (2016)          | 2016 | Sweden  | UltraCore SuperC18 | 2.5um, 50 x 2.1 |
| AP2003 | Simultaneous analysis of major ingredients of Gardenia fruit by HPLC-MS/TQMS method                                                                                                                  | M. Galaqin, K. Uwai, M.Yuguchi, T. Iwasa                                                                                                       | Mongolian Journal of Chemistry, 17 (43), 34-37 (2016) | 2016 | China   | C8                 | 5um, 100 x 2.1  |
| AP2004 | Multiresidue analysis of cephalosporin antibiotics in bovine milk based on molecularly imprinted polymer extraction followed by liquid chromatography-tandem mass spectrometry                       | A. N. Baeza, J.L. Urraca, R. Chamorro, G. Orellana, M. Castellari, M.C. Moreno-Bondi                                                           | J. Chrom. A, 1474, 121-129 (2016)                     | 2016 | Spain   | C18-PFP            | 2um, 100 x 2.1  |
| AP2005 | Molecularly imprinted polymer beads for clean-up and preconcentration of $\beta$ -lactamase-resistant penicillins in milk                                                                            | J.L. Urraca, R. Chamorro-Mendiluce, G. Orellana, M. C. Moreno-Bondi                                                                            | Anal. Bioanal. Chem., 408, 1843-1854 (2016)           | 2016 | Spain   | C18-PFP            | 2um, 100 x 2.1  |
| AP2006 | Development of magnetic molecularly imprinted polymers for selective extraction: determination of citrinin in rice samples by liquid chromatography with UV diode array detection                    | J.L. Urraca, J.F. huertas-Perez, G.A. Cazorla, J. Gracia-Mora, A.M. Garcia-Campana, M.C. Moreno-Bondi                                          | Anal. Bioanal. Chem., 408, 3033-3042 (2016)           | 2016 | Spain   | C18-PFP            | 2um, 100 x 2.1  |
| AP2007 | Simultaneous monitoring of monoamines, amino acids, nucleotides and neuropeptides by liquid chromatography-tandem mass spectrometry and its application to neurosecretion in bovine chromaffin cells | A. Wojnicz, J. Avendano-Ortiz, R. de Pascual, L. Ruiz-Pascual, A.G. Garcia, A. Ruiz-Nuno                                                       | J. Mass Spectrom., 51, 651-664 (2016)                 | 2016 | Spain   | C18-PFP            | 3um, 150 x 4.6  |
| AP2008 | Synthesis of 1-naphthol by a natural peroxygenase engineered by directed evolution                                                                                                                   | P.Molina-Espeja, M. Canellas, F.J. Plou, M. Hofrichter, F. Lucas, V. Guallar, M. Alcalde                                                       | ChemBioChem, 17, 341-349 (2016)                       | 2016 | Spain   | C18-PFP            | 150 x 4.6       |
| AP2009 | Analysis of sulphate metabolites of the doping agents oxandrolone and danazol using high performance liquid chromatography coupled to tandem mass spectrometry                                       | S. Rzeppa, L. Viet                                                                                                                             | J. Chrom. B, 1029-1030 1-9 (2016)                     | 2016 | Norway  | C18-PFP            | 3um, 150 x 2.1  |

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|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------|-----------|--------------------|------------------|
| AP2010 | Estimation of tulathromycin depletion in plasma and milk after subcutaneous injection in lactating goats using a nonlinear mixed-effects pharmacokinetic modelling approach                                   | Z. Lin, M. Cuneo, J.D. Rowe, M. Li, L.A. Tell, S. Allison, J. Carlson, J.E. Riviere, R. Gehring                            | BMC Veterinary Research, 12 (258) (2016)        | 2016 | USA       | C8                 | 3um, 50 x 2.1    |
| AP2011 | Valorization of solid wastes from chestnut industry processing. Extraction and optimization of polyphenols, tannins and ellagitannins and its potential for adhesives, cosmetic and pharmaceutical industries | A. Aires, R. Carvalho, M.J. Saavedra                                                                                       | Waste Management, 48, 457-464 (2016)            | 2016 | Portugal  | C18                | 5um, 250 x 4.6   |
| AP2012 | In vitro studies of an aged black garlic extract enriched in S-allylcysteine and polyphenols with cardioprotective effects                                                                                    | A.L. Garcia-Villalon, S. Amor, L. Monge, N. Fernandez, M. Prodanov, M. Munoz, A.M. Inarejos-Gracia, M. Granada             | Journal of Functional Foods, 27, 1890200 (2016) | 2016 | Spain     | C18-PFP            | 5um, 250 x 4.6   |
| AP2013 | First report: Exposure estimates to ochratoxin A through wheat bread and rice intake in Turkey                                                                                                                | O. Golge, B. Kabak                                                                                                         | Journal of Cereal Science, 69, 213-217 (2016)   | 2016 | Turkey    | C18                | 5um, 250 x 4.6   |
| AP2014 | Photodegradation behaviour of estriol: An insight on natural aquatic organic matter influence                                                                                                                 | C. Oliveira, D. L.D. Lima, C.P. Silva, M. Otero, V.I. Esteves                                                              | Chemosphere 159, 545-551 (2016)                 | 2016 | Portugal  | C18-PFP            | 5um, 150 x 4.6   |
| AP2015 | Tuning surface-active properties of bio-surfactant sophorolipids by varying fatty-acid chain lengths                                                                                                          | C. Ahn, V.K. Morya, E. Kim                                                                                                 | Korean J. Chem. Eng., 33(7), 2127-2133 (2017)   | 2016 | Korea     | C18                |                  |
| AP2016 | Determination of aflatoxins in walnut sujuk and Turkish delight by HPLC-FLD method                                                                                                                            | O. Golge, F. Hepsag, B. Kabak                                                                                              | Food Control, 59, 731-736 (2016)                | 2016 | Turkey    | C18                | 5um, 250 x 4.6   |
| AP2017 | Home-made online hyphenation of pressurised liquid extraction, turbulent flow chromatography and high performance liquid chromatography, Cistanche deserticola as a case study                                | Q. Song, J. Li, X. Kliu, Y. Zhang, L. Guo, Y. Jiang, Y. Song, P. Tu                                                        | J. Chrom. A, (2016)                             | 2016 | China     | Ultracore SuperC18 | 2.5um, 150 x 3.0 |
| AP2018 | Robust and sensitive LC/MS-MS method for simultaneous detection of acetylsalicylic acid and salicylic acid in human plasma                                                                                    | D. Strok, M. Patfalusi, G. Szelezcky, G. Somorjai, D. Greskovits, K. Monostory                                             | Microchemical Journal (2016)                    | 2016 | Hungary   | C18                | 3um, 75 x 2.1    |
| AP2019 | Bioaccumulation of emerging organic compounds (perfluoroalkyl substances and halogenated flame retardants) by earthworm in biosolid amended soils                                                             | Navarro, A. de la Torre, P. Sanz, J. Pro, G. Carbonell, M. de los Angeles Martinez                                         | Environmental Research, 149, 32-39 (2016)       | 2016 | Spain     | C18-PFP            | 3um, 50 x 2.1    |
| AP2020 | An avian influenza H5N1 virus vaccine candidate based on the extracellular domain produced in yeast system as subviral particles protects chickens from lethal challenge                                      | M. Pietrzak, A. Maciola, K. Zdanowski, A.M. Protas-Klukowska, M. Olszewska, K. Smietanka, Z. Minta, B. Szewczyk, E. Kopera | Antiviral Research, 133, 242-249 (2016)         | 2016 | Poland    | C4                 | 5um, 250 x 4.6   |
| AP2021 | Elderberry (Sambucus nigra L.) by-products a source of anthocyanins and antioxidant polyphenols                                                                                                               | P. Silva, S. Ferreira, F.M. Nunes                                                                                          | Industrial Crops and Products, (2016)           | 2016 | Portugal  | UltraCore SuperC18 | 5um, 150 x 4.6   |
| AP2022 | Enzymatic synthesis of lactosylated and sialylated derivatives of epothilone A                                                                                                                                | P. Parajuli, R.P. Pandey, R.B. Gurung, J.Y. Shin, H.J. Jung, D.H. Kim, J.K. Sohng                                          | Glycoconj. J. (2016)                            | 2016 | South Kor | C18-300            | 250 x 10         |
| AP2023 | Validation of a mass spectrometry-based method for milk traces detection in baked food                                                                                                                        | L. Cristina, A. Elena, C. Davide, G. Marzia, D. Lucia, G. Cristiano, A. Marco, R. Carlo, C. Laura, G.M. Gabriella          | Food Chemistry, 199, 119-127 (2016)             | 2016 | Italy     | C18-300            | 250 x 1.0        |
| AP2024 | Determination of endocrine disrupting compounds in fish liver, brain and muscle using focused ultrasound solid-liquid extraction and dispersive solid phase extraction as clean-up strategy                   | O. Ros, A. Vallejo, M. Olivares, N. Etxebarria, A. Prieto                                                                  | Anal. Bioanal. Chem., 408, 5689-5700 (2016)     | 2016 | Spain     | UltraCore SuperC18 | 2.5um, 50 x 2.1  |
| AP2025 | Fatty acids, sterols and tocols in Irish barley varieties: Profiling and correlation analysis                                                                                                                 | N. Gangopadhyay, D.K. Rai, N.P. Brunton, E. Gallagher, S.M. Harrison                                                       | Eur. J. Lipid Sci. Technol., 118 (2016)         | 2016 | Ireland   | C18-PFP            | 5um, 150 x 4.6   |
| AP2026 | The cutaneous secretion of the casque-headed tree frog Corythomantis greeningi: Biochemical characterisation and some biological effects                                                                      | V.A. Mendes, K.C. Barbosa, J.M. Sciani, R.C. Vassao, D.C. Pimenta, C. Jared, M.M. Antunes                                  | Toxicon, 122, 133-141 (2016)                    | 2016 | Brazil    | C18                | 5um, 250 x 4.6   |
| AP2027 | Fast and simple determination of perfluorinated compounds and their potential precursors in different packaging materials                                                                                     | Zabaleta, E. Bizkarguenaga, D. Bilbao, N. Etxebarria, A. Prieto, O. Zuloaga                                                | Talanta, 152, 353-363 (2016)                    | 2016 | Spain     | UltraCore SuperC18 | 2.5um, 50 x 2.1  |
| AP2028 | Self-initiated and concentration-dependent degradation of tetracaine in neat standard solution: A trouble-shooting story                                                                                      | A. Tan, Y. Wu, G. Gu, J.C. Fanaras                                                                                         | J. Chrom. B, 1033-1034, 112-116 (2016)          | 2016 | Canada    | Excel SuperC18     | 5um, 75 x 3.0    |

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| AP2029 | Selective screening of Niemann-Pick type C Brazilian patients by cholestane-3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -triol and chitotriosidase measurements followed by filipin staining and NPC1/NPC2 gene analysis | G.S. Ribas, H.M. Souza, J. de Mari, M. Deon, C. Mescka, M.L. Saraiva-Pereira, R. Kessler, F. Trapp, K. Michelin, M. Burin, C.R. Vargas, R. Giugliani | Clinica Chimica Acta 459, 57–62 (2016)                                              | 2016 | Brazil    | C18                         | 3 $\mu$ m, 150 x 4.6 |
| AP2030 | Rapid and efficient method for the quantification of lychnopholide in rat plasma by liquid chromatography–tandem mass spectrometry for pharmacokinetic application                                            | L. Lachi-Silva, J.P.B. Sousa, M.C. Montanha, S.K.B. Sy, J.L.C. Lopes, D.BB. Silva, N.P. Lopes, A. Diniz, E. Kimura                                   | Biomed. Chromatogr., 30, 1092–1096 (2016)                                           | 2016 | Brazil    | C18–300                     | 3 $\mu$ m, 50 x 2.1  |
| AP2031 | Disposition of the anti-ulcer medications ranitidine, cimetidine and omeprazole following administration of multiple doses to exercised thoroughbred horses                                                   | H.K. Knych, S.D. Stanley, R.M. Arthur, D.S. Mckemie                                                                                                  | J. Vet. Pharmacol. Therap., 40, 92–96 (2016)                                        | 2016 | USA       | C18                         | 3 $\mu$ m, 100 x 2.1 |
| AP2032 | Altitudinal changes in secondary metabolite contents of Hypericum androsaemum and Hypericum polyphyllum                                                                                                       | C. Ctrak, J. Kadusiene, v. Jakstas, L. Ivanauskasm, F. ...                                                                                           | Biochemical Systems and Ecology 70, 108–115 (2017)                                  | 2017 | Turkey    | C18                         | 5 $\mu$ m, 250 x 4.6 |
| AP2033 | The use of a restricted access volatile supramolecular solvent for the LC/MS–MS assay of bisphenol A in urine with a significant reduction of phospholipid-based matrix effects                               | J.A. Salatti-Dorado, N. Cabellero-Casero, M.D. Sicilia, M.L. Lunar, S. Rubio                                                                         | Analytica Chimica Acta 950, 71–79 (2017)                                            | 2017 | Spain     | C18–PFP                     | 3 $\mu$ m, 150 x 3.0 |
| AP2034 | Sorption of sulfachloropyridazine in Brazilian soils                                                                                                                                                          | A.P. Cleira, S. Rath, A.H. Fostier                                                                                                                   | J. Braz. Chem. Soc., 28 (1), 158–167 (2017)                                         | 2017 | Brazil    | C18                         | 5 $\mu$ m, 250 x 4.6 |
| AP2035 | New strategy of multiple emulsion formation based on the interactions between polymeric emulsifier and natural ingredients                                                                                    | U. Cizauskaite, R. Marksiene, V. Viliene, R. Gruzauskas, J. Bernatoniene                                                                             | Colloids and Surfaces A: Physicochemical and Engineering Aspects, 515, 22–33 (2017) | 2017 | Lithuania | C18                         | 5 $\mu$ m, 250 x 4.6 |
| AP2036 | An unexpected cell-penetrating peptide from Bothrops jararaca venom identified through a novel size exclusion chromatography screening                                                                        | J.M. Sciani, H. Vigerelli, A.S. Costa, D.A.D. camara, P. Luiz-de-Sa Jnr, D.C. Pimenta                                                                | J. Pept. Sci., (2017)                                                               | 2017 | Brazil    | C18                         | 150 x 4.6            |
| AP2037 | Quantification of two isomeric flavones in rat colon tissue using reverse phase high performance liquid chromatography                                                                                        | C.L. Whitted, V.E. Palau, R.D. Torrenegra, O.E. Rodriguez, S. Harirforoosh                                                                           | MBC Res Notes, 10 (29) (2017)                                                       | 2017 | USA       | C18                         | 100 x 4.6            |
| AP2038 | Furfurylamines from biomass: transaminase catalysed upgrading of furfurals                                                                                                                                    | A. Durbabin, F. Subirzi, J.M. Ward, T.D. Sheppard, H.C.                                                                                              | Green Chem., 19, 397–404 (2017)                                                     | 2017 | UK        | C18                         | 5 $\mu$ m, 150 x 4.6 |
| AP2039 | In vitro $\alpha$ -glucosidase and $\alpha$ -amylase enzyme inhibitory effects in Elaeagnus angustifolia leaves extract                                                                                       | F.Z. Soltan, B. Okutucu, H.S. Canbay, D. Ozel                                                                                                        | Eurasian Journal of Analytical Chemistry, 12 (2), 117–126 (2017)                    | 2017 | Turkey    | C18                         | 5 $\mu$ m, 250 x 4.6 |
| AP2040 | Investigation of the regulatory effects of saccharin on cytochrome P450s in male ICR mice                                                                                                                     | J.H. Jo, S. Kim, T.W. Jeon, T.C. Jeong, S. Lee                                                                                                       | Toxicological Research, 33 (1), 25–30 (2017)                                        | 2017 | Korea     | C18                         | 5 $\mu$ m, 50 x 2.1  |
| AP2041 | Feedback control of AHR signalling regulates intestinal immunity                                                                                                                                              | C. Schiering, E. Wincent, A. Metidji, A. Iseppon, Y. Li, A.J. Potocnik, S. Omenetti, C.J. Henderson, C.R. Wolf, D.W. Nebert, B. Stockinger           | Nature (2017)                                                                       | 2017 | UK        | C18–AR                      | 5 $\mu$ m, 150 x 4.6 |
| AP2042 | Radiosynthesis of no-carrier added meta-[124I] iodobenzylguanidine for PET imaging of metastatic neuroblastoma                                                                                                | M. Green, J. Lowe, M. Kadirvel, A. McMahon, N. Westwood, S. Chua, G. Brown                                                                           | J. Radioanal. Nucl. Chem., 311, 727–732 (2017)                                      | 2017 | UK        | Phenyl                      | 3 $\mu$ m, 150 x 4.6 |
| AP2043 | Uptake of perfluoroalkyl substances and halogenated flame retardants by crop plants grown in biosolids-amended soils                                                                                          | I. Navarro, A. de la Torre, I. Sanz, M.A. Porcel, J. Pro, G. Carbonell, M. de los Angeles                                                            | Environmental Research, 152, 199–2016 (2017)                                        | 2017 | Spain     | C18–PFP                     | 3 $\mu$ m, 50 x 2.1  |
| AP2044 | Absorption, distribution, metabolism and excretion of [14C]-dasotraline in humans                                                                                                                             | Y. Li, P.L. Wang, S. Wills, H.S. Wilkinson, K.S. Koblan, S.C.                                                                                        | Pharmaceutical Research & perspectives, 5 (1), (2017)                               | 2017 | USA       | Excel C18–AR                | 2 $\mu$ m, 150 x 4.6 |
| AP2045 | Aromatic metabolites from the coelomic fluid of Eisenia earthworm species                                                                                                                                     | S. Rochfort, M.A. Wyatt, M. Liebeke, A.D. Southam, M.R. Viant, J.G. Bundy                                                                            | European Journal of Soil Biology, 78, 17–19 (2017)                                  | 2017 | UK        | AQ                          | 5 $\mu$ m, 250 x 4.6 |
| AP2046 | Evaluation of pharmacokinetic interactions between lesinurad, a new selective urate reabsorption inhibitor, and commonly used drugs for gout treatment                                                        | Z. Shen, K. Tieu, D. Wilson, G. Bucci, M. Gillen, C. Lee, B. Kerr                                                                                    | Clinical Pharmacology in Drug Development (2017)                                    | 2017 | USA       | C18–AR                      |                      |
| AP2047 | Release of 1,3,5-trinitroperhydro-1,3,5-triazine (RDX) from polymer-bonded explosives (PBXN-109) into water by artificial weathering                                                                          | M. Kumar, M.K. Ladyman, N. Mai, T. Temple, F. Coulon                                                                                                 | Chemosphere, 169, 604–608 (2017)                                                    | 2017 | UK        | UltraCore SuperPhenyl Hexyl | 100 x 4.6            |
| AP2048 | Phytoglycogen improves the water solubility and Caco-2 monolayer permeation of quercetin                                                                                                                      | H. Chen, Y. Yao                                                                                                                                      | Food Chemistry, 221, 248–257 (2017)                                                 | 2017 | USA       | C8                          | 3 $\mu$ m, 75 x 4.6  |
| AP2049 | Mixtures of herbicides and metals affect the redox system of ...                                                                                                                                              | C. Jumarie, P. Aras, M. Boily                                                                                                                        | Chemosphere, 168, 163–170 (2017)                                                    | 2017 | Canada    | C18                         | 3 $\mu$ m, 150 x 4.6 |

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| AP2050 | Potency and stability of compounded formulations of chlorambucil, melphalan and cyclophosphamide                                                                                              | J.H. Burton, H.K. Knych, S.D. Stanley, R.B. Rebhun                                                | Vet. Comp. Oncol., 1-6 (2017)                                           | 2017 | USA         | C18           | 3um, 100 x 2.1 |
| AP2051 | Pharmacokinetics and selected pharmacodynamics of romifidine following low-dose intravenous administration in combination with exercise to quarter horses                                     | H.K. Knych, S.D. Stanley, D.S. McKemie, S.J. Steinmetz                                            | J. Vet. Pharmacol. Ther., (2017)                                        | 2017 | Spain       | C18           | 3um, 100 x 2.1 |
| AP2052 | Study of early stage non-small-cell lung cancer using Orbitrap-based global serum metabolomics                                                                                                | A. Klupeczynska, P. Dereziński, T.J. Garrett, V.Y. Rubio, W. Dyszkiewicz, M. Kasprzyk, Z.J. Kokot | J. Cancer Res. Clin. Oncol., (2017)                                     | 2017 | Poland/USA  | Excel C18-PFP | 2um, 100 x 2.1 |
| AP2053 | A validated LC-MS/MS method for the estimation of bortezomib and bortezomib D3 (IS) in human plasma with protein precipitation and SPE filter cartridges                                      | B. Chandramowli, B.B. Rajkamal                                                                    | J. Applied Pharmaceutical Sciences, 7 (1), 35-41 (2017)                 | 2017 | India       | CN            | 5um, 150 x 4.6 |
| AP2054 | Reuse potential of vegetable wastes (broccoli, green bean and tomato) for the recovery of antioxidant phenolic acids and flavonoids                                                           | A. Aires, R. Carvalho, M.J. Saavedra                                                              | International Journal of Food Science and Technology, 52, 98-107 (2017) | 2017 | Portugal    | C18           | 5um, 250 x 4.6 |
| AP2055 | Comparison of sample preparation strategies for target analysis of total thyroid hormones levels in serum by liquid chromatography-quadrupole time-of-flight mass spectrometry                | E. Alvarez, Y. Madrid, M.D. Marazuela                                                             | Talanta, 164, 570-579 (2017)                                            | 2017 | Spain       | Excel C18-PFP | 2um, 50 x 2.1  |
| AP2056 | Influence of culture conditions on porphyrin production in Aggregatibacter actinomycetemcomitans and Porphyromonas gingivalis                                                                 | J. Fyrestam, N. Bjurshammar, E. Paulsson, N. Mansouri, A. Johannsen, C. Ostman                    | Photodiagnosis and Photodynamic Therapy, 17, 115-123 (2017)             | 2017 | Sweden      | C18-PFP       | 3um, 75 x 2.1  |
| AP2057 | Lipophilic antioxidants and lipid peroxidation in yellow perch subjected to various anthropogenic influences along the St Lawrence river (QC, Canada)                                         | C. Landry, M. Houde, P. Brodeur, P. Spear, M. Boily                                               | Ecotoxicology and Environmental Safety, 139, 316-325 (2017)             | 2017 | Canada      | C18           | 5um, 250 x 4.6 |
| AP2058 | Identification and characterisation of photodegradation products of metoprolol in the presence of natural fulvic acid by HPLC-UV-MSn                                                          | Santos, M.R.M. Domingues, A.J.D. Silvestre, M.G.P.M.S. Neves, M.M.Q. Simoes, E.B.H. Santos        | Journal of Hazardous Materials, 323, 250-263 (2017)                     | 2017 | Portugal    | C18-PFP       | 5um, 150 x 4.6 |
| AP2059 | Evaluation of bi-functionalized mesoporous silicas as reversed phase/cation-exchange mixed-mode sorbents for multi-residue solid phase extraction of veterinary drug residues in meat samples | N. Casado, D. Perez-Quintanilla, S. Morante-Zarcelo, I. Sierra                                    | Talanta, 165, 223-230 (2017)                                            | 2017 | Spain       | Excel 2 C18   | 2um, 100 x 2.1 |
| AP2060 | 2D-LC as an on-line desalting tool allowing peptide identification directly from MS unfriendly HPLC methods                                                                                   | H. Luo, W. Zhong, J. Yang, P. Zhuang, F. Meng, J. Caldwell, B. Mao, C.J. Welch                    | Journal of Pharmaceutical and Biomedical Analysis, 137, 139-145 (2017)  | 2017 | USA         | C18-300       | 3um, 150 x 4.6 |
| AP2061 | Investigation of the low molecular weight thiol composition in a metastatic prostate cancer cell line (LNCaP) by LC-UV-MS and NMR after labelling with the Ellman reagent                     | S. Childs, N. Haroune, L. Williams, M. Gronow                                                     | American Journal of Analytical Chemistry, 8, 1-18 (2017)                | 2017 | UK          | C18           | 5um, 250 x 10  |
| AP2062 | Discovery of a fluorinated 4-oxo-quinoline derivative as a potential PET radiotracer for imaging CB2 receptor                                                                                 | R. Slavik, A.M. Herde, A. Haider, M. Weber, R. Schibli, S.D. Kramer, S.M. Ametamey, L. Mueller    | Journal of Neurochemistry, 138, 874-886 (2017)                          | 2016 | Switzerland | C18-AR        | 3um, 50 x 4.6  |
| AP2063 | Phenolic compounds characterisation, carbohydrate digestive enzyme inhibitory and antioxidant activities of Hieracium                                                                         | A. Gokbulut, N. Orhan, D.D. Orhan                                                                 | South African Journal of Botany, 108, 387-392 (2017)                    | 2017 | Turkey      | C18           | 5um, 250 x 4.6 |
| AP2064 | Toxicological, chemical and antibacterial evaluation of squill vinegar, a useful product in Persian traditional medicine                                                                      | M. Bozorgi, G.R. Amin, S.N. Ostad, N. Samadi, E. Nazem, M. Ghobadipour                            | Pharmacognosy, 4 (10), 33-39 (2017)                                     | 2017 | Iran        | C18           | 5um, 250 x 4.6 |
| AP2065 | The nonlinear effect of alkyl chain length in the membrane interactions of phenolipids: Evidence by X-ray diffraction analysis                                                                | E. Durand, R.F. Jacob, S. Sherratt, J. Lecomte, B. Barea, P. Villeneuve, R.P. Mason               | Eur. J. Lipid Sci. Technol., 118, (2017)                                | 2017 | France      | C18           | 5um, 250 x 4.6 |
| AP2066 | Aqueous humor penetration and biological activity of moxifloxacin 0.5% ophthalmic solution alone or with dexamethasone 0.1%                                                                   | R.L.R. Gomes, R.G. Viana, L.A.S. Melo, A.C. Cruz, E.M. Suenaga, K.R. Kenyon, M. Campos            | Journal of Ocular Pharmacology and Therapeutics 33 (2), 98-102 (2017)   | 2017 | Brazil      | C18           | 5um, 100 x 4.6 |
| AP2067 | Selective precipitation of phenolic compounds from Achillea millefolium L. extracts by supercritical anti-solvent technique                                                                   | D. Villanueva-Bermejo, F. Zahran, D. Troconis, M. Villalva, G. Reglero, T. Fornari                | J. of Supercritical Fluids, 120, 52-58 (2017)                           | 2017 | Spain       | C18           | 5um, 150 x 4.6 |
| AP2068 | Progesterone potentially degrades to potent androgens in surface waters                                                                                                                       | J.O.Ojoghoru, A.J. Chaudhary, P. Campo, J.P. Sumpter, M.D. Scrimshaw                              | Science of the Total Environment, 579, 1876-1884 (2017)                 | 2017 | UK          | C18           | 3um, 100 x 2.1 |

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| AP2069 | A clinical evaluation of the pharmacokinetics and pharmacodynamics of intravenous alfaxalone in cyclodextrin in male and female rats following a loading dose and constant rate                              | K.L. White, S. Paine, J. Harris                                                                                                                                                             | Veterinary Anaesthesia and Analgesia 1-11, (2017)                      | 2017 | UK        | C18-AR        | 2um, 50 x 2.1                       |
| AP2070 | Parotoid, radial and tibial macroglans of the frog Odontoptynus cultripes: Differences and similarities with toads                                                                                           | P.L. Mailho-Fontana, M.M. Antoniazzi, I. Rodrigues, J.M. Sciani, D.C. Pimenta, E.D. Brodie, M.T. Rodrigues, C. Jared                                                                        | Toxicol, 129, 123-133 (2017)                                           | 2017 | Brazil    | C18           | 5um, 50 x 2.1                       |
| AP2071 | Three-dimensional perfused human in vitro model of non-alcoholic fatty liver disease                                                                                                                         | T. Kostrzewski, T. Cornforth, S.A. Snow, L. Ouro-Gnao, C. Rowe, E.M. Large, D.J. Hughes                                                                                                     | World Journal of Gastroenterology 23(2), 204-215 (2017)                | 2017 | USA       | C18-AR        |                                     |
| AP2072 | The discriminative stimulus effects of i.v. nicotine in rhesus monkeys: Pharmacokinetics and apparent pA2 analysis with dihydro- $\beta$ -erythroidine                                                       | M.J. Moerke, A.Z.X. Zhu, R.F. Tyndale, M.A. Javors, L.R. McMahon                                                                                                                            | Neuropharmacology, 116, 9-17 (2017)                                    | 2017 | USA       | C18-PFP       | 3um, 75 x 3.0                       |
| AP2073 | Mass spectrometric detection of 27-hydroxycholesterol in breast cancer exosomes                                                                                                                              | H. Roberg-Larsen, K. Lund, K. Erikstad Seterdal, S. Solheim, T. Vehus, N. Solberg, S. Krauss, E. Lundanes, S.R. Wilson                                                                      | Journal of Steroid Biochemistry & Molecular Biology, 169, 22-28 (2017) | 2017 | Norway    | C18           | 3um, 100 x 0.3                      |
| AP2074 | Stability Indicating UHPLC-PDA Assay for Simultaneous Determination of Antazoline Hydrochloride and Naphazoline Hydrochloride in Ophthalmic Formulations                                                     | A. Ali, U. Farooq, M. Ahmed, M.M. Athar, K. Nadeem and G. Murtaza                                                                                                                           | Acta Chimica Slovenica 64, 332-341 (2017)                              | 2017 | Pakistan  | C18-PFP       | 2um, 100 x 2.1                      |
| AP2075 | Comprehensive determination of macrolide antibiotics, their synthesis intermediates and transformation products in wastewater effluents and ambient waters by liquid chromatography-tandem mass spectrometry | I. Senta, I. Krizman-Matic, S. Terzic, M. Ahel                                                                                                                                              | Journal of Chromatography A, 1509, 60-68 (2017)                        | 2017 | Croatia   | C18-PFP       | 3um, 150 x 3.0                      |
| AP2076 | Application of experimental design and response surface technique for selecting the optimum RP-HPLC conditions for the determination of moxifloxacin HCl and ketorolac tromethamine in eye drops             | P.D. Kalariya, D. Namdev, R. Srinivas, S. Gananadhamu                                                                                                                                       | Journal of Saudi Chemical Society, 21, S373-S382 (2017)                | 2017 | India     | C18           | 150 x 4.6                           |
| AP2077 | Verification of the selectivity of a liquid chromatography method for determination of stilbenes and flavonols in red wines by mass spectrometry                                                             | L.F. da Silva, C.C. Guerra, A. Foresti, A.M. Bergold                                                                                                                                        | Chemical Papers, 71 (3), 661-672 (2017)                                | 2017 | Slovakia  | C8            | 5um, 150 x 4.6                      |
| AP2078 | Analysis of psychotropic medicines triazolam, estazolam and alprazolam mixture using thin-layer chromatography and high-performance liquid chromatography methods                                            | Yelyzaveta Kravchuk                                                                                                                                                                         | Master's thesis, Lithuanian University of Health Sciences (2017)       | 2017 | Lithuania | C18           | 5um, 250 x 4.6                      |
| AP2079 | Liquid chromatography-tandem mass spectrometry direct injection analysis of organophosphorus flame retardants in Ontario surface water and wastewater effluent                                               | C. Hao, P. A. Helm, D. Morse and E. J. Reiner                                                                                                                                               | Chemosphere, 191, 288-295 (2018)                                       | 2018 | Canada    | C18 & C18-PFP | 3um, 100 x 2.1                      |
| AP2080 | Statistical investigation of the full concentration range of fasted and fed simulated intestinal fluid on the equilibrium solubility of oral drugs                                                           | J. Perrier, Z. Zhou, C. Dunn, I. Khadra, C. G. Wilson, G. Halbert                                                                                                                           | European Journal of Pharmaceutical Sciences, 111, 247-256 (2018)       | 2018 | UK        | C18           | 3um, 50 x 3.0mm and 3um, 50 x 2.1mm |
| AP2081 | Liquid Chromatography Separation and Mass Spectrometry Detection of Silver-Lipoate Ag <sub>29</sub> (LA) <sub>12</sub> Nanoclusters: Evidence of Isomerism in the Solution Phase                             | D. M. Black, G. Robles, P. Lopez, S. B. H. Bach, M. Alvarez, and R. L. Whetten                                                                                                              | Analytical Chemistry, 90 (3), 2010-2017 (2018)                         | 2018 | USA       | C18-300       | 3um, 150 x 0.5mm                    |
| AP2082 | Sustainable production of high purity curcuminoids from Curcuma longa by magnetic nanoparticles: A case study in Brazil                                                                                      | M. I. Ferreira, M. Magro, L. C. Ming, M. B. da Silva, L. F. O. S. Rodrigues, D. Z. do Prado, E. Bonaiuto, D. Baratella, J. De A. Roger, G. P. P. Lima, M. Rossetto, L. Zennaro, F. Vianello | Journal of Cleaner Production, 154, 233-241 (2018)                     | 2017 | Brazil    | C18           | 5um, 250 x 4.6mm                    |

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| AP2083 | Evaluation of the antihypertensive angiotensin-converting enzyme inhibitory (ACE-I) activity and other probiotic properties of lactic acid bacteria isolated from traditional Greek dairy products                          | Zoumpopoulou a, Eleni Mavrogonatou b, Gonzalez Van Driessche c, Voula Alexandraki a, Rania Anastasiou a, Marina Papadelli a, Maria Kazou a, Eugenia Manolopoulou a, Dimitris Kletsas b, Bart Devreese c, Konstantinos Papadimitriou a, *, Effie Tsakalidou a | International Dairy Journal, 75, 10-21                                 | 2017 | Greece  | C18                        | 0um, 250 x 10.0mm |
| AP2084 | Preclinical Assessment of Cardiovascular Alterations Induced by Birch Polypore Mushroom, <i>Piptoporus betulinus</i> (Agaricomycetes)                                                                                       |                                                                                                                                                                                                                                                              | International Journal of Medicinal Mushrooms                           | 2017 |         |                            |                   |
| AP2085 | Superparamagnetic graphene oxide-based dispersive-solid phase extraction for preconcentration and determination of tamsulosin hydrochloride in human plasma by high performance liquid chromatography-ultraviolet detection | Y. Pashaeia, F. Ghorbani-Bidkorbehb, M. Shekarchic                                                                                                                                                                                                           | Journal of Chromatography A, 1499, 21-29                               | 2017 | Iran    | C18                        | 5um, 250 x 4.6mm  |
| AP2086 | Study on the 3-hydroxy-3-methyl-glutaryl CoA reductase inhibitory properties of <i>Agaricus bisporus</i> and extraction of bioactive fractions using pressurized solvent technologies                                       | Palanisamy, A. Ruiz-Rodriguez, M. Navarro-Rubio, M. Perez, F. R. Marin, G. Reglero, C. Soler-Rivas                                                                                                                                                           | Journal of the Science of Food and Agriculture                         | 2013 | Spain   | C18-AR                     | 3um, 150 x 4.6 mm |
| AP2087 | Resolution and quantification of arginine, monomethylarginine, asymmetric dimethylarginine, and symmetric dimethylarginine in plasma using HPLC with internal calibration                                                   | M. S. Alkaitis, G. Nardone, J. H. Chertow, H. C. Ackerman                                                                                                                                                                                                    | Biomedical Chromatography, 30, 294-300 (2016)                          | 2016 | USA     | C18 guard                  | 3um, 1.0 mm id    |
| AP2088 | Formation of Azaspiracids-3, -4, -6, and -9 via decarboxylation of carboxyazaspiracid metabolites from shellfish                                                                                                            | P. McCarron, J. Kilcoyne, C. O. Miles, P. Hess                                                                                                                                                                                                               | J. Agric. Food Chem., 57, 160-169 (2009)                               | 2009 | Ireland | C18                        | 3um, 30 x 2.1 mm  |
| AP2089 | Brazilian red propolis: phytochemical screening, antioxidant activity and effect against cancer cells                                                                                                                       | Celerino de Moraes Porto, T. G. do Nascimento, N. S. de Souza, J. M. dos Santos Oliveira, R. E dos Santos Arruda, K. C. Moushino, A. F. dos Santos, I. D. Basilio-Junior, A. Parolla, F. S. Barreto                                                          | BMC Complementary & Alternative medicine, 15, 357 (2015)               | 2015 | Brazil  | C18                        | 5um, 100 x 4.6 mm |
| AP2090 | Development of a simple and sensitive HPLC-UV method for the simultaneous determination of cannabidiol and delta9-tetrahydrocannabinol in rat plasma                                                                        | A. Zgair, J.C.M. Wong, A. Sabri, D.A. Barrett, C.S. Constantinescu, P.M. Fischer, P. Gershkovich                                                                                                                                                             | J. Pharm. Biomed. Anal, 114, 145-151 (2015)                            | 2015 | UK      | C18-PFP                    | 3um, 150 x 4.6 mm |
| AP2091 | Determination of Carbamazepine using RP-HPLC method in pharmaceutical preparations                                                                                                                                          | F. Demirkaya, Y. Kadioglu                                                                                                                                                                                                                                    | FABAD J. Pharm. Sci., 30, 78-82 (2005)                                 | 2005 | Turkey  | C8                         | 5um, 150 x 4.6 mm |
| AP2092 | Application of a column selection system an DryLab software for high-performance liquid chromatography method development                                                                                                   | R. M. Krisko, K. McLaughlin, M. J. Koenigbauer, C. E. Lunte                                                                                                                                                                                                  | Journal of Chromatography A, 1122, 186-193                             | 2006 | USA     | C8                         | 3um, 150 x 4.6 mm |
| AP2093 | Simultaneous determination of ginkgolides A, B and K in human plasma by UPLC-MS/MS and its application to the pharmacokinetic study of Ginkgo Diterpene Lactone Meglumine injection in humans                               | Yan-Jing Li, Chen-Feng Zhang, Ting Geng, Wen-Zhe Huang, Zhen-Zhong Wang, Bin-Jiang Zhao, Yi-Fei Zhou, Wei Xiao                                                                                                                                               | Analytical methods, 11, 2016                                           | 2016 | China   | C18-AR                     | 3um, 50 x 2.1 mm  |
| AP2094 | Formation of 5-(hydroxymethyl)furfural during subcritical water extraction of natural matrices. Is is bioactivity-relevant                                                                                                  | M. Herrero, M. Castro-Puyana, L. Rocamora, J.A. Ferragut, A. Cifuentes, E. Ibanez                                                                                                                                                                            | Open access - For International Symposium on Supercritical fluids 2012 | 2012 | Spain   | C18                        | 3um, 150 x 4.6 mm |
| AP2095 | Highly isoxanthohumol enriched hop extract obtained by pressurized hot water extraction (PHWE). Chemical and functional characterization                                                                                    | E. Arranz, A. Ruiz-Rodriguez, G. Reglero, E. Ibanez, F. R. Marin                                                                                                                                                                                             | Innovative Food Science and Emerging Technologies, 16, 54-60 (2012)    | 2012 | Spain   | C18-AR                     | 3um, 150 x 4.6 mm |
| AP2096 | Stability indicating LC-MS/MS method for estimation of lovastatin in human plasma: application to a bioequivalence study                                                                                                    | A. Saha, H. Jangala, P. Vats, R. Thankur, A. Khuroo, T. Monif                                                                                                                                                                                                | Journal of Analytical Science and Technology, 6, 19 (2015)             | 2015 | India   | C18-PFP (method needs C18) |                   |
| AP2097 | Metabolomic profiling and genomic study of a Marine sponge-associated <i>Streptomyces</i> sp.                                                                                                                               | J. Kennedy, T. Zhang, C. O'Brien, F. O'Gara, J.P. Morrissey, A. D. W. Dobson, R. Edrada-Ebel                                                                                                                                                                 | Marine Drugs, 12, 3323-3351 (2014)                                     | 2014 | UK      | C18                        | 5um, 75 x 3.0 mm  |



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| AP2098 | Using LC-MS based method for testing the digestibility of a nonpurified transgenic membrane protein in simulated gastric fluid                                                                         | W. S. Skinner, B. S. Phinney, A. Herren, F. J. Goodstal, I. Dically, D. Facciotti                                                                                                                                                                                                                                                                                                                    | Journal of Agricultural and Food Chemistry, 64, 25, 5251-5259      | 2016 | USA      | C18 300A           | 150 x 0.3 mm        |
| AP2099 | Detection and quantification of new psychoactive substances (NPSs) within the evolved "legal high" product, NRG-2, using high performance liquid chromatography-amprometric detection (HPLC-AD)        | K. Y. Zuway, J. P. Smith, C. W. Foster, N. Kapur, C. E. Banks O. B. Sutcliffe                                                                                                                                                                                                                                                                                                                        | Analyst, 140, 6283 (2015)                                          | 2015 | UK       | C18                | 3um, 150 x 4.6 mm   |
| AP2100 | Screening and confirmation of oxycodone and clenbuterol in equine plasma by ion trap LC/MS/MS                                                                                                          | e. Uboh, J. Rudy                                                                                                                                                                                                                                                                                                                                                                                     | Method by PA Equine Toxicology & Research laboratory               | 2004 | USA      | C8                 | 5um, 50 x 2.1 mm    |
| AP2101 | Oxysterols are agonist ligands of ROR $\gamma$ t and drive Th17 cel differentiation - supplementary info available                                                                                     | Song, S.W. Sutton, M. Sablad, J. Yu, M. I. Nelen, X. Liu, G. Castro, R. Luna, S. Crawford, H. Banie, R. A. Dandridge, X. Deng, A. Bittner, C. Kuei, M. Tootoonchi, N. Rozenkrants, K. Herman, J. Gao, X. V. Yang, K. Sachen, K. Ngo, WP. Fung-Leung, S. Nguyen, A. de Leon-Tabaldo, J. Blevitt, Y. Zhang, M. D. Cummings, T. Rao, N. S. Mani, C. Liu, M. McKinnon, M. E. Milla, A. M. fourie, S. Sun | PNAS, 111, 33, 12163-12168 (2014)                                  | 2014 | USA      | C18-AR             | 3um, 150 x 2.1 mm   |
| AP2102 | Combination of on-line desalting and HPLC-UVESI-MS for simultaneous detection and identification of FIP-fve and flammutoxin in Flammulina velutipes                                                    | Lin, Ching-Chuan Tung, Sung-Fang Chen, Fuu Sheu, Ting-Jang Lu                                                                                                                                                                                                                                                                                                                                        | Journal of food and drug analysis, 1-9 (2017)                      | 2017 | Taiwan   | C4                 | 5um, 250 x 4.6 mm   |
| AP2103 | Simultaneous determination of components with wide polarity andcontent ranges in Cistanche tubulosa using serially coupled reversephase-hydrophilic interaction chromatography-tandem massspectrometry | Yu Yana, Qingqing Songa, Xiaojia Chenc, Jun Lia, Peng Lic, Yitao Wangc,Tongxiang Liub, Yuelin Songa, Pengfei Tua                                                                                                                                                                                                                                                                                     | Journal of Chromatography A, 1501, 39-50 (2017)                    | 2017 | China    | UltraCore SuperC18 | 2.5um, 150 x 3.0 mm |
| AP2104 | A study of different indicators of mannara reaction with winey proteins                                                                                                                                | G. E. Leiva, G. B. Naranjo, L. S. Malec                                                                                                                                                                                                                                                                                                                                                              | Food Chemistry, 215, 410-416 (2017)                                | 2017 | Argentin | AQ                 | 5um, 250 x 4.6 mm   |
| AP2105 | A multi-matrix HILIC-MS/MS method for the quantitation ofendogenous small molecule neurological biomarker N-acetyl asparticacid (NAA)                                                                  | D. Sangarajua, S. K. Shahidi-Lathama, B. L. Burgessb, B. Deana,X. DingaaGenentech                                                                                                                                                                                                                                                                                                                    | Journal of Pharmaceutical and Biomedical Analysis 140 11-19 (2017) | 2017 | USA      | HILIC CN           | .7um, 50 x 2.1 mm   |
| AP2106 | Decoration of a Poly(methyl vinyl ether-co-maleic anhydride)-Shelled Selol Nanocapsule with Folic Acid Increases Its Activity Against Different Cancer Cell Lines In Vitro                             | R. Ganassin, L. Regina de Souza, K. Rapp Py-Daniel, J. P. Figueiró Longo, J. M. Coelho, M. C. Rodrigues, Cheng-Shi Jiang, Jinsong Gu, P. C. de Morais, E. Mosiniewicz-Szablewska, P. Suchocki, S. N. Bão, R. B. Azevedo, L. A. Muehlmann                                                                                                                                                             | Journal of Nanoscience and Nanotechnology 18, 522-528 (2018)       | 2018 | Brazil   | AQ                 | 5um, 250 x 4.0 mm   |
| AP2107 | LC-HRMS Based Non-Targeted Metabolomic Profiling of Wheat (Triticum aestivum L.) under Post-Anthesis Drought Stress                                                                                    | Mohammad Atikur Rahman, Masum Akond, Md Ali Babar, Chris Beecher, John Erickson, Kayla Thomason, Felice A De Jong, Richard Esten Mason                                                                                                                                                                                                                                                               | American Journal of Plant Sciences, 8, 3024-3061 (2017)            | 2017 | USA      | C18-PFP            | 2um, 100 x 2.1 mm   |
| AP2108 | Formation and degradation of N-oxide venlafaxine during ozonation and biological post-treatment                                                                                                        | Ines Zucker, Hadas Mamane, Alon Riani, Igal Gozlan, Dror Avisar                                                                                                                                                                                                                                                                                                                                      | Science of the Total Environment, 619-620, 578-586 (2018)          | 2018 | Israel   | Phenyl             | 250 x 2.1 mm        |
| AP2109 | An Investigation of Oral Exposure Variability and Formulation Strategy: A Case Study of PI3Kd Inhibitor and Physiologically Based Pharmacokinetic Modeling in Beagle Dogs                              | Po-Chang Chiang, Jodie Pang, Jia Liu, Laurent Salphati                                                                                                                                                                                                                                                                                                                                               | Journal of Pharmaceutical Sciences, 107, 466-475 (2018)            | 2018 | USA      | Phenyl             | 5um, 100 x 2.1 mm   |
| AP2110 | Robust and sensitive LC/MS-MS method for simultaneous detection of acetylsalicylic acid and salicylic acid in human plasma                                                                             | Dávid Siroka, Márta Pátfalusi, Gábor Szelezcky, Gyula Somorjai, Dávid Greskovits, Katalin Monostory                                                                                                                                                                                                                                                                                                  | Microchemical Journal, 136, 200-208 (2018)                         | 2018 | Hungary  | C18                | 3um, 75 x 2.1 mm    |

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| AP2111 | Evaluation and Application of Stationary Phase Selectivity for Drug Analysis                                                                                                                                                  | R. Wimal H. Perera                                                                                                                                     | Doctoral thesis, University of Sunderland (2012)                         | 2012 | UK          | C18 and CN           | 5 um, 250 x 4.6 mm |
| AP2112 | Optimization of pressurized liquid extraction by response surface methodology of Goji berry ( <i>Lycium barbarum</i> L.) phenolic bioactive compounds                                                                         | Giusy Tripodo, Elena Ibáñez, Alejandro Cifuentes, Bienvenida Gilbert-López, Chiara Fanali                                                              | Electrophoresis (2018)                                                   | 2018 | Italy       | C18                  | 3 um, 150 x 4.6 mm |
| AP2113 | Furosine and HMF determination in prebiotic-supplemented infant formula from Spanish market                                                                                                                                   | C.Sabater, A.Montilla, A.Ovejero, M.Prodanov, A.Olano, N.Corzo                                                                                         | Journal of Food Composition and Analysis, 66, 65-73                      | 2018 | Spain       | C18                  | 5um, 250 x 4.6 mm  |
| AP2114 | How much separation for LC-MS/MS quantitative bioanalysis of drugs and metabolites?                                                                                                                                           | AiminTan, John C.Fanaras                                                                                                                               | Journal of Chromatography B, 1084, 23-35 (2018)                          | 2018 | Canada      | Excel SuperC18       | 5 um,              |
| AP2115 | Absorption, liver first-pass effect, pharmacokinetics and tissue distribution of calycosin-7-O-β-d-glucopyranoside (C7G) and its major active metabolite, calycosin, following oral administration of C7G in rats by LC-MS/MS | XiaotingTian, Shuoji Chen, Yuanyuan Zhang, Luying Chen, Xiaozhen Guo, Zhou Xu, Huan Liu, Pei Hu, Zhenyuan Chen, Zhixiong Li, Chenggang Huang           | Journal of Pharmaceutical and Biomedical Analysis, 148, 350-354 (2018)   | 2018 | China       | Excel SuperC18       | 3 um,              |
| AP2116 | A four parameter optimization and troubleshooting of a RP-EC charged aerosol detection stability indicating method for determination of S-lysophosphatidylcholines in a phospholipid                                          | James TamImad, A. Haidar Ahmad, Andrei Blasko                                                                                                          | Journal of Pharmaceutical and Biomedical Analysis (2018)                 | 2018 | USA         | C18-PFP              | 3 um, 100 x 4.6 mm |
| AP2117 | LC-MS/MS analysis of metformin, saxagliptin and 5-hydroxy saxagliptin in human plasma and its pharmacokinetic study with a fixed-dose formulation in healthy Indian subjects                                                  | Priyanka A. Shah, Jaivik V. Shah, Mallika Sanyal, Pranav S. Shrivastav                                                                                 | Biomedical Chromatography, 31 (3), (2017)                                | 2017 | India       | CN                   | um, 150 × 4.6 mm   |
| AP2118 | Identification of Degradation Impurities in Aripiprazole Oral Solution Using LC-MS and Development of Validated Stability Indicating Method for Assay and Content of Two Preservatives by                                     | M. V. V. N. Murali Krishna, Sumathi V. Rao, N. V. S. Venugopal                                                                                         | Journal of Liquid Chromatography & Related Technologies 40 (14), 741-750 | 2017 | India       | C18                  | um, 250 × 4.6 mm   |
| AP2119 | Investigations into the physical and chemical stability of concentrated co-trimoxazole intravenous infusions                                                                                                                  | Zaidi, Madhur D Shastri, Mathew Suji Eapen, Long Chiau Ming, Troy Wanandy, Rahul P Patel                                                               | European Journal of Hospital Pharmacy (2017)                             | 2017 | Australia   |                      |                    |
| AP2120 | A sensitive quantitative assay for the determination of propafenone and two metabolites, 5-hydroxypropafenone and N-despropylpropafenone, in human K2EDTA plasma using LC-MS/MS                                               | Nirmal Patel, Asnok Gnognani, Chandrakant Bhatt, Shaival Shah, Anilkumar Jha, Nirmal                                                                   | Biomedical Chromatography, 31 (10), (2017)                               | 2017 | India       | C8                   | 5um, 50 x 4.6 mm   |
| AP2121 | UPLC-HRMS-based untargeted metabolic profiling reveals changes in chickpea ( <i>Cicer arietinum</i> ) metabolome following long-term drought stress                                                                           | Naeem Khan, Asghari Bano, Mohammad Atikur Rahman, Bala Rathinasabapathi, Md Ali Babar                                                                  | Plant, Cell and Environment, 1-18 (2018)                                 | 2018 | Pakistan/ U | C18-PFP              | 2um, 100 x 2.1 mm  |
| AP2122 | Simultaneous analysis of opioid analgesics and their metabolites in municipal wastewaters and river water by liquid chromatography-tandem mass spectrometry                                                                   | Ivona Krizman-Matasic, Petra Kostanjevecki, Marijan Ahel, Senka Terzic                                                                                 | Journal of Chromatography A, 1533, 102-111                               | 2018 | Croatia     | C18-PFP              |                    |
| AP2123 | Chromatographic retention behaviour, modelling and optimization of a UHPLC-UV separation of the regioisomers of the Novel Psychoactive Substance (NPS) methoxphenidine (MXP)                                                  | Bernard O.Boateng, Mark Fever, Darren Edwards, Patrik Petersson, Melvin R.Euerby, Oliver B.Sutcliffe                                                   | Journal of Pharmaceutical and Biomedical Analysis, 153, 238-247 (2018)   | 2018 | UK          | C18, C18-PFP, C18-AR |                    |
| AP2124 | Immunoaffinity-HPLC Analysis for Vitamin B12 of Korean Cattle-Hanwoo ( <i>Bos taurus coreanae</i> )                                                                                                                           | Mun, Jiyoung Jung, Jiyeon Chun                                                                                                                         | Food Analytical Methods, 1 - 10 (2018)                                   | 2018 | South Kor   | AQ                   | 3um, 150 x 3 mm    |
| AP2125 | Perfluorooctane sulfonate and other fluorochemicals in waterbird eggs from south china                                                                                                                                        | Y. Wang, L. W. Y. Yeung, S. Taniyasu, N. Yamashita, J. C. W. Lam, P. K. S. Lam                                                                         | Environmental Science and Technology, 42, 8146-8151 (2008)               | 2008 | ong Kor     | C18                  | 3um, 150 x 2.1 mm  |
| AP2126 | Natural elicitors of plant defense response in strawberry                                                                                                                                                                     | J. Garrido-Gala, V. Frias, M. Perdices-Hoyo, J. M. Hernandez-Ros, A. Rodriguez-Olmos, J. L. Copas-Patino, J. Munoz-Blanco, J. L. Caballero, J. Salinas | Journal of Berry Research, 4, 37-45 (2014)                               | 2014 | Spain       | C18-PFP              | 2um, 150 x 4.6 mm  |
| AP2127 | Determination of the rifamycin antibiotics rifabutin, rifampin, rifapentine and their major metabolites in human plasma via simultaneous extraction coupled with LC/MS/MS                                                     | L. C. Winchester, A. T. Podany, J. S. Baldwin, B. L. Robbins, C. V. Fletcher                                                                           | Journal of Pharmaceutical and Biomedical Analysis, 104, 55-61 (2015)     | 2015 | USA         | C18                  | 100 x 3.0 mm       |
| AP2128 | Evaluation of an international pharmacopoeia method for the analysis of ritonavir by liquid chromatography                                                                                                                    | R. S. Yekkala, D. Ashenafi, I. Marien, H. Xin, E. Haghedooren, J. Hoogmartens, E. Adams                                                                | Journal of Pharmaceutical and Biomedical Analysis, 48, 1050-1054 (2008)  | 2008 | Belgium     | C18                  | 5um, 250 x 4.6 mm  |

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| AP2129 | The structure, function and properties of sirohaem decarboxylase – an enzyme with structural homology to a transcription factor family that is part of the alternative haem biosynthesis pathway – supplementary info available       | D. J. Palmer, S. Schroeder, A. D. Lawrence, E. Deery, S. A. Lobo, L. M. Saralva, K. J. McLean, A. W. Munro, S. J. Ferguson, R. W. Pickersgill, D. G. Brown, M. J. Warren | Molecular Microbiology, 93 (2), 247–261 (2014)                         | 2014 | UK        | AQ                                                 | 5um, 150 x 2.1 mm  |
| AP2130 | Simultaneous determination and validation of emtricitabine, rilpivirine and tenofovir from biological samples using LC and CE                                                                                                         | M. Gumustas, M. G. Caglayan, F. Onur, S. A. Ozkan                                                                                                                        | Biomedical Chromatography, 32 (4), e4158 (2018)                        | 2018 | Turkey    | C18                                                | 5um, 150 x 4.6 mm  |
| AP2131 | A simple solid phase extraction method for the analysis of red cell phospholipids by liquid chromatography- tandem mass spectrometry                                                                                                  | V. L. Nguyen                                                                                                                                                             | Journal of Clinical Laboratory Analysis, 32 (6), e22417 (2018)         | 2018 | Australia | C4                                                 | 7um?, 150 x 2.1 mm |
| AP2132 | Quantification of metronidazole in human plasma using a highly sensitive and rugged LC-MS/MS method for a bioequivalence study                                                                                                        | P. G. Vanol, M. Sanyal, P. A. Shah, P. S. Shrivastav                                                                                                                     | Biomedical Chromatography, 32 (8), e4242 (2018)                        | 2018 | India     | C18                                                | 5um, 100 x 4.6 mm  |
| AP2133 | Quantification of metronidazole in healthy subjects' feces using an LC-MS/MS method                                                                                                                                                   | P. G. Vanol, M. Sanyal, P. A. Shah, P. S. Shrivastav                                                                                                                     | Biomedical Chromatography, 32 (8), e4265 (2018)                        | 2018 | India     | Phenyl                                             |                    |
| AP2134 | A novel and rapid LCeMS/MS assay method for the determination of canagliflozin in human plasma by solid phase extraction technique and its application to a pharmacokinetic study                                                     | S. V. Saibaba, N. R. Pilli, B. P. K. Bimireddy, P. S. Pandiyan                                                                                                           | Future Journal of Pharmaceutical Sciences,                             | 2018 | India     | C18                                                | 5um                |
| AP2135 | Effective phospholipids removing microelution–solid phase extraction LC-MS/MS method for simultaneous plasma quantification of aripiprazole and dehydro-aripiprazole: Application to human pharmacokinetic studies                    | A. Wojnicz, C. Belmonte, D. Koller, A. Ruiz-Nuño, M. Román, D. Ochoa, F. Abad-Santos                                                                                     | Journal of Pharmaceutical and Biomedical Analysis, 151, 116–125 (2018) | 2018 | Spain     | C18-PFP                                            |                    |
| AP2136 | Determination of Free Fatty Acids in Cheese by Means of Matrix Solid-Phase Dispersion Followed by Ultra-High Performance Liquid Chromatography and Tandem Mass Spectrometry Analysis                                                  | M. C. Simeoni, M. Sergi, A. Pepe, E. Mattocci, G. Martino, D. Compagnone                                                                                                 | Food Analytical Methods, 1-8 (2018)                                    | 2018 | Italy     | C18-PFP                                            |                    |
| AP2137 | 2-Naphthalenthioal derivatization followed by dispersive liquid-liquid microextraction as an efficient and sensitive method for determination of acrylamide in bread and biscuit samples using high-performance liquid chromatography | M. Faraji, M. Hamdamali, F. Aryanasab, M. Shabaniyan                                                                                                                     | Journal of Chromatography A, 1558, 14–20 (2018)                        | 2018 | Iran      | C18                                                | 5um, 150 x 4.6 mm  |
| AP2138 | Evaluation of a novel method for the analysis of alcohol biomarkers: Ethyl glucuronide, ethyl sulfate and ethyl glucuronide                                                                                                           | V. L. Nguyen, P. Paull, P. S.Haber, K. Chitty, D. Seth                                                                                                                   | Alcohol, 67, 7–13 (2018)                                               | 2018 | Australia | C4                                                 |                    |
| AP2139 | Incorporating dried blood spot LC-MS/MS analysis for clinical development of a novel oncolytic agent                                                                                                                                  | E. R. Wickremsinhe, S. Callies, C. A. Schmalz, L. B. Lee, E. S. LaBell, D. K. Satonin                                                                                    | Bioanalysis, 10 (5) (2018)                                             | 2018 | USA       | C18                                                | 5um, 50 x 2.1 mm   |
| AP2140 | Exploring selectivity and sensitivity for oxysterol measurements using liquid chromatography–mass spectrometry (LC-MS)                                                                                                                | Stian Kjønås Solheim                                                                                                                                                     | Thesis for the Master's Degree in chemistry, University of Oslo (2018) | 2018 | Norway    | UltraCore SuperPhenyl Hexyl and UltraCore SuperC18 |                    |
| AP2141 | Comparison of efficiencies of selected sample extraction techniques for the analysis of selected antiretroviral drugs in human plasma using LC-MS                                                                                     | K. Sichilongo, E. Mwando Jr, E. Sepako, A. Massele                                                                                                                       | Journal of Pharmacological and Toxicological Methods, 89, 1–8 (2018)   | 2018 | Botswana  | C18                                                | 3um, 50 x 3.0 mm   |
| AP2142 | Development of an LC-MS method to quantify coproporphyrin I and III as endogenous biomarkers for drug transporter-mediated drug-drug interactions                                                                                     | E. N. Ediage, L. Dillen, A. Vroman, L. Diels, A. Kunze, J. Snoeys, T. Verhaeghe                                                                                          | Journal of Chromatography B, 1073, 80–89 (2018)                        | 2018 | Belgium   | C18-PFP                                            | 3um, 150 x 2.1 mm  |
| AP2143 | Multi-class analysis for simultaneous determination of pesticides, mycotoxins, process-induced toxicants and packaging contaminants in tea                                                                                            | M. Cladière, G. Delaporte, E. L. Roux, V. Camel                                                                                                                          | Food Chemistry, 242, 113–121 (2018)                                    | 2018 | France    | C18-PFP                                            | 2um, 150 x 2.1 mm  |
| AP2144 | Physicochemical stability of voriconazole in elastomeric devices                                                                                                                                                                      | C. Ming, T. Wanandy, R. P. Patel                                                                                                                                         | European Journal of Hospital Pharmacy (2017)                           | 2017 | Australia | C18                                                | 3um, 100 x 4.0 mm  |
| AP2145 | United States Patent: Chelator and Use Therof                                                                                                                                                                                         | M. Algotsson, L. C. Andersson, E. Brekkan, L. Hedemyr, J-L. Maloisel, R. Palmgren                                                                                        | United States Patent, Patent No. 9,944,722 B2 (2018)                   | 2018 | Sweden    | AQ                                                 | 10um, 250 x 30 mm  |
| AP2131 | Improved LC-MS/MS method for the quantification of hepcidin-25 in clinical samples                                                                                                                                                    | I. M. Abbas, H. Hoffmann, M. Montes-Bayón, M. G. Weller                                                                                                                  | Analytical and Bioanalytical Chemistry, 410 (16), 3835–3846 (2018)     | 2018 | Germany   | UltraCore SuperPhenyl Hexyl                        | 50 x 2.1 mm        |
| AP2132 | Investigations of the Copper Peptide Hepcidin-25 by LC-MS/MS and NMR                                                                                                                                                                  | I. M. Abbas, M. Vranic, H. Hoffmann, A. H. El-Khatib, M. Montes-Bayón, H. M. Möller, M. G. Weller                                                                        | International Journal of Molecular Sciences, 19 (8), 2271 (2018)       | 2018 | Germany   | UltraCore SuperC18                                 | 5um, 50 x 2.1 mm   |

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| <b>AP2133</b> | Gold Nanocluster Prospecting via Capillary Liquid Chromatography-Mass Spectrometry: Discovery of Three Quantized Gold Clusters in a Product Mixture of "2 nm Gold Nanoparticles" | D. M. Black, G. Robles, S. B. H. Bach, and R. L. Whetten | Industrial & Engineering Chemical Research, 57 (15), 5378-5384 | 2018 | USA | C18     |                  |
| <b>AP2134</b> | Detection and confirmation of $\alpha$ -cobratoxin in equine plasma by solid-phase extraction and liquid chromatography coupled to mass spectrometry                             | F. Guan, Y. You, X. Li, M. A. Robinson                   | Journal of Chromatography A, 1533, 38-48                       | 2018 | USA | C18-300 | 3um, 50 x 1.0 mm |