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Determination of octreotide and assessment of matrix effects in human plasma using ultra high performance liquid chromatography-tandem mass spectrometry

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Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 2081-8.

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#	Paper	IF	Citations
38	Bioanalysis Young Investigator: Omnia A Ismaiel. <i>Bioanalysis</i> , 2012 , 4, 1283-4	2.1	
37	Recent advances in column switching sample preparation in bioanalysis. <i>Bioanalysis</i> , 2012 , 4, 809-32	2.1	39
36	Determination of oxyntomodulin, an anorectic polypeptide, in rat plasma using 2D-LC-MS/MS coupled with ion pair chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 903, 102-11	3.2	19
35	UHPLC for the separation of proteins and peptides. <i>Bioanalysis</i> , 2012 , 4, 2971-88	2.1	20
34	On-line solid-phase extraction coupled to ultra-performance liquid chromatography with tandem mass spectrometry detection for the determination of benzotriazole UV stabilizers in coastal marine and wastewater samples. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 867-76	4.4	60
33	Development and optimization of on-line 2-dimensional chromatographic approaches for eliminating matrix effects and improving bioanalysis of peptides in human plasma using UHPLC-MS/MS. <i>Drug Testing and Analysis</i> , 2014 , 6, 415-25	3.5	4
32	Evaluation and Elimination of Matrix Effects in LC-MS Bioanalysis. 2013 , 249-258		2
31	State-of-the-art in fast liquid chromatography-mass spectrometry for bio-analytical applications. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 927, 3-21	3.2	44
30	Challenges in the development of bioanalytical liquid chromatography-mass spectrometry method with emphasis on fast analysis. <i>Journal of Chromatography A</i> , 2013 , 1292, 25-37	4.5	91
29	Hybrid stationary phases: the answer to all of your matrix effect problems?. <i>Bioanalysis</i> , 2013 , 5, 2735-7	2.1	3
28	Quantitative imaging of a therapeutic peptide in biological tissue sections by MALDI MS. <i>Bioanalysis</i> , 2013 , 5, 603-12	2.1	27
27	Development of a high-throughput UHPLC-MS/MS (SRM) method for the quantitation of endogenous glucagon from human plasma. <i>Bioanalysis</i> , 2014 , 6, 3295-309	2.1	16
26	Validation of a rapid liquid chromatography-tandem mass spectrometric assay for the determination of octreotide plasma concentrations. <i>Clinical Biochemistry</i> , 2014 , 47, 139-41	3.5	9
25	Solid-phase extraction based on hydrophilic interaction liquid chromatography with acetone as eluent for eliminating matrix effects in the analysis of biological fluids by LC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 401-7	4.4	24
24	Multidimensional LC-MS/MS enables simultaneous quantification of intact human insulin and five recombinant analogs in human plasma. <i>Analytical Chemistry</i> , 2014 , 86, 694-702	7.8	70
23	A liquid chromatography-mass spectrometry assay for quantification of Exendin[9-39] in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 947-948, 186-91	3.2	11
22	Reverse-polynomial dilution calibration methodology extends lower limit of quantification and reduces relative residual error in targeted peptide measurements in blood plasma. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 441-54	7.6	3

21	PK study of octreotide based on LC-MS/MS combining protein precipitation and impurity extraction technique. <i>Bioanalysis</i> , 2015 , 7, 885-94	2.1	8
20	Quantification of lamotrigine in patient plasma using a fast liquid chromatography-tandem mass spectrometry method with backflush technology. <i>Therapeutic Drug Monitoring</i> , 2015 , 37, 188-97	3.2	7
19	Combined derivatization and high-performance liquid chromatography with fluorescence and ultraviolet detection for simultaneous analysis of octreotide and gabexate mesylate metabolite in human pancreatic juice samples. <i>Biomedical Chromatography</i> , 2015 , 29, 911-7	1.7	4
18	The impact of phospholipids and phospholipid removal on bioanalytical method performance. <i>Biomedical Chromatography</i> , 2016 , 30, 710-20	1.7	31
17	LC/MS based global metabolite profiling: the necessity of high data quality. <i>Metabolomics</i> , 2016 , 12, 1	4.7	34
16	A capillary electrophoretic-mass spectrometric method for the assessment of octreotide stability under stress conditions. <i>Journal of Chromatography A</i> , 2016 , 1429, 354-63	4.5	5
15	Recent Advances in Online Column-Switching Sample Preparation. 2018 ,		1
14	Sensitive quantification of the somatostatin analog AP102 in plasma by ultra-high pressure liquid chromatography-tandem mass spectrometry and application to a pharmacokinetic study in rats. <i>Drug Testing and Analysis</i> , 2018 , 10, 1448-1457	3.5	1
13	Phospholipid Depletion Techniques in LC-MS Bioanalysis. 2019 , 52-67		
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11	Salcaprozate sodium (SNAC) enhances permeability of octreotide across isolated rat and human intestinal epithelial mucosae in Ussing chambers. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 154, 105509	5.1	13
10	Post-extraction disulfide bond cleavage for MS/MS quantification of collision-induced dissociation-resistant cystine-cyclized peptides and its application to the ultra-sensitive UPLC-MS/MS bioanalysis of octreotide in plasma. <i>Analytica Chimica Acta</i> , 2020 , 1114, 42-49	6.6	3
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5	Development of an Electrochemical Sensor Based on Molecularly Imprinted Polymer Via Electropolymerization for Detection of Octreotide in Human Serum. <i>SSRN Electronic Journal</i> ,	1	
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- 2 Development and Validation of an LC-MS/MS Method for Simultaneous Determination of Short Peptide-Based Drugs in Human Blood Plasma. **2022**, 27, 7831 ○
- 1 Optimization and validation of the liquid chromatography coupled to tandem mass spectrometry method for assessing octreotide release from microspheres during inflammation in rabbit models. **2023**, 1214, 123564 ○