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Development and validation of a sensitive, simple, and rapid method for simultaneous quantitation of atorvastatin and its acid and lactone metabolites by liquid chromatography-tandem mass spectrometry (LC-MS/MS)

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Analytical and Bioanalytical Chemistry, 2011, 400, 423-33.

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#	Paper	IF	Citations
40	Simultaneous Determination of Atorvastatin and Aspirin in Human Plasma by LC-MS/MS: Its Pharmacokinetic Application. <i>Scientia Pharmaceutica</i> , 2012 , 80, 923-40	4.3	19
39	Diabetes Mellitus Reduces the Clearance of Atorvastatin Lactone. <i>Clinical Pharmacokinetics</i> , 2012 , 51, 591-606	6.2	16
38	A Review of Current Trends and Advances in Analytical Methods for Determination of Statins: Chromatography and Capillary Electrophoresis. 2012 ,		2
37	Simultaneous determination of atorvastatin and niacin in human plasma by LC-MS/MS and its application to a human pharmacokinetic study. <i>Biomedical Chromatography</i> , 2012 , 26, 1436-43	1.7	11
36	Abstracts of the American Conference on Pharmacometrics 2013. May 12-15, 2013. Fort Lauderdale, Florida, USA. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2013 , 40 Suppl 1, 15-149	2.7	2
35	Structural characterization of electrochemically and in vitro biologically generated oxidation products of atorvastatin using UHPLC/MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7181-93	4.4	7
34	Application of a novel UPLC/MS/MS method for the pharmacokinetic/bioequivalence determination of atorvastatin and ezetimibe in human plasma. <i>Journal of Pharmacy Research</i> , 2013 , 7, 24-32		8
33	Simultaneous determination of atorvastatin, metformin and glimepiride in human plasma by LC-MS/MS and its application to a human pharmacokinetic study. <i>Journal of Pharmaceutical Analysis</i> , 2013 , 3, 9-19	14	35
32	An improved HPLC method with the aid of a chemometric protocol: simultaneous determination of atorvastatin and its metabolites in plasma. <i>Molecules</i> , 2013 , 18, 2469-82	4.8	3
31	A critical review of microextraction by packed sorbent as a sample preparation approach in drug bioanalysis. <i>Bioanalysis</i> , 2013 , 5, 1409-42	2.1	40
30	Bioequivalence of fixed dose combination of atorvastatin 10 mg and aspirin 150 mg capsules: a randomized, open-label, single-dose, two-way crossover study in healthy human subjects. <i>Drug Research</i> , 2013 , 63, 250-7	1.8	2
29	Polytetrafluorethylene film-based liquid-three phase micro extraction coupled with differential pulse voltammetry for the determination of atorvastatin calcium. <i>Analytical Sciences</i> , 2013 , 29, 303-9	1.7	
28	HPLC-DAD Method for the Pharmacokinetic Interaction Study of Atorvastatin with Pioglitazone and Cholestyramine in Wistar Rats. <i>Scientia Pharmaceutica</i> , 2014 , 82, 555-70	4.3	3
27	LC-MS-MS simultaneous determination of atorvastatin and ezetimibe in human plasma. <i>Journal of Chromatographic Science</i> , 2014 , 52, 773-80	1.4	12
26	Simultaneous quantitation of atorvastatin and its two active metabolites in human plasma by liquid chromatography/(-) electrospray tandem mass spectrometry. <i>Journal of Pharmaceutical Analysis</i> , 2014 , 4, 26-36	14	29
25	Spectrodensitometric Determination of Some Antihyperlipidemics in Pharmaceutical Combinations and in Plasma with a Pharmacokinetic Application. <i>Journal of Planar Chromatography - Modern TLC</i> , 2015 , 28, 362-372	0.9	0
24	High-throughput salting-out-assisted liquid-liquid extraction for the simultaneous determination of atorvastatin, ortho-hydroxyatorvastatin, and para-hydroxyatorvastatin in human plasma using ultrafast liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2015 , 38, 1026-34	3.4	16

23	Rapid, Selective, and Rugged Method Development and Validation of Atorvastatin and its Active Metabolites, o-Hydroxy Atorvastatin and p-Hydroxy Atorvastatin, in Stabilized Plasma Using Liquid Chromatography Coupled with Tandem Mass Spectrometry. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 1585-1592	1.3	0
22	LCMS/MS method for quantification of atorvastatin, o-hydroxyatorvastatin, p-hydroxyatorvastatin, and atorvastatin lactone in rat plasma. <i>Acta Chromatographica</i> , 2016 , 28, 281-298	1.5	4
21	Quantification of atorvastatin in human plasma by liquid chromatography tandem mass spectrometry and its application for bioequivalence study of three formulations. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016 , 11, 66-67	9	1
20	Simultaneous determination of atorvastatin and its metabolites in human plasma by UPLC-MS/MS. <i>Analytical Methods</i> , 2017 , 9, 1038-1045	3.2	5
19	Ultra-high performance liquid chromatography tandem mass-spectrometry for simple and simultaneous quantification of cannabinoids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1048, 10-18	3.2	24
18	Dual release behavior of atorvastatin and alpha-lipoic acid from PLGA microspheres for the combination therapy in peripheral nerve injury. <i>Journal of Drug Delivery Science and Technology</i> , 2017 , 39, 455-466	4.5	11
17	Critical Review on the Analytical Techniques for the Determination of the Oldest Statin-Atorvastatin-in Bulk, Pharmaceutical Formulations and Biological Fluids. <i>Critical Reviews in Analytical Chemistry</i> , 2017 , 47, 538-555	5.2	7
16	Critical review of statins: A bio-analytical perspective for therapeutic drug monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 86, 206-221	14.6	15
15	Microdosing Cocktail Assay Development for Drug-Drug Interaction Studies. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1973-1986	3.9	5
14	Development, validation and application of a novel HPLC-MS/MS method for the quantification of atorvastatin, bisoprolol and clopidogrel in a large cardiovascular patient cohort. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 159, 272-281	3.5	10
13	UHPLC-MS/MS method for determination of atorvastatin calcium in human plasma: Application to a pharmacokinetic study based on healthy volunteers with specific genotype. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 160, 428-435	3.5	1
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11	Long-Acting Injectable Statins-Is It Time for a Paradigm Shift?. <i>Molecules</i> , 2019 , 24,	4.8	3
10	Access and concentrations of atorvastatin in the prostate in men with prostate cancer. <i>Prostate</i> , 2019 , 79, 1412-1419	4.2	6
9	Development and validation of an assay for a novel ghrelin receptor inverse agonist PF-5190457 and its major hydroxy metabolite (PF-6870961) by LC-MS/MS in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1130-1131, 121820	3.2	1
8	Simultaneous analysis of the total plasma concentration of atorvastatin and its five metabolites and the unbound plasma concentration of atorvastatin: Application in a clinical pharmacokinetic study of single oral dose. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1126-1127, 121766	3.2	4
7	Systemic Lupus Erythematosus Activity Affects the Sinusoidal Uptake Transporter OATP1B1 Evaluated by the Pharmacokinetics of Atorvastatin. <i>Clinical and Translational Science</i> , 2020 , 13, 1227-1235	4.9	2
6	A review on liquid chromatographic methods for the bioanalysis of atorvastatin. <i>Future Journal of Pharmaceutical Sciences</i> , 2021 , 7,	2.1	0

5	Diabetes mellitus reduces the clearance of atorvastatin lactone: results of a population pharmacokinetic analysis in renal transplant recipients and in vitro studies using human liver microsomes. <i>Clinical Pharmacokinetics</i> , 2012 , 51, 591-606	6.2	14
4	Simultaneous Determination of Atorvastatin and Glimepiride by LC-MS/MS in Human Plasma and Its Application to a Pharmacokinetic Study. <i>American Journal of Analytical Chemistry</i> , 2012 , 03, 559-569	0.7	7
3	Medicinal cannabis: Pharmaceutical forms and recent analytical methodologies. <i>Comprehensive Analytical Chemistry</i> , 2020 , 31-63	1.9	1
2	Recent Upgradation in Bioanalytical Studies. <i>Biosciences, Biotechnology Research Asia</i> , 2022 , 19, 121-140	0.5	
1	New steps in acute coronary syndrome and antihyperlipidemic treatment: determination of statins and metabolites by liquid chromatography tandem mass spectrometry.. <i>Biomedical Chromatography</i> , 2022 , e5390	1.7	