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HPLC analysis of naturally occurring free D-amino acids in mammals

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#	Paper	IF	Citations
96	Alteration of intrinsic amounts of D-serine in the mice lacking serine racemase and D-amino acid oxidase. <i>Amino Acids</i> , <b>2012</b> , 43, 1919-31	3.5	37
95	Two-dimensional high-performance liquid chromatographic determination of day-night variation of D-alanine in mammals and factors controlling the circadian changes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 8083-91	4.4	32
94	LC Enantioseparation of 30-Component Diastereomeric Mixture of Amino Acids and Detection of d-Isomers Using New Reagents with Amines as Chiral Auxiliaries in Cyanuric Chloride. <i>Chromatographia</i> , <b>2013</b> , 76, 1087-1096	2.1	4
93	Chiral derivatizations applied for the separation of unusual amino acid enantiomers by liquid chromatography and related techniques. <i>Journal of Chromatography A</i> , <b>2013</b> , 1296, 119-39	4.5	53
92	A method for the determination of D-kynurenine in biological tissues. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 9747-54	4.4	2
91	Decreased levels of free D-aspartic acid in the forebrain of serine racemase (Srr) knock-out mice. <i>Neurochemistry International</i> , <b>2013</b> , 62, 843-7	4.4	24
90	Relative quantification of enantiomers of chiral amines by high-throughput LC-ESI-MS/MS using isotopic variants of light and heavy L-pyroglutamic acids as the derivatization reagents. <i>Analytica Chimica Acta</i> , <b>2013</b> , 773, 76-82	6.6	20
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86	Study of the matrix effects and sample dilution influence on the LC-ESI-MS/MS analysis using four derivatization reagents. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 967, 147-55	3.2	16
85	Synergistic Effect of Polyaniline Modified Silica Gel for Highly Efficient Separation of Non Resolvable Amino Acids. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2014</b> , 63, 277-281	3	8
84	Application of TLC, HPLC and GC methods to the study of amino acid and peptide enantiomers: a review. <i>Biomedical Chromatography</i> , <b>2014</b> , 28, 84-101	1.7	64
83	The pivotal role of copper(II) in the enantio-recognition of tryptophan and histidine by gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 481-91	4.4	12
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81	Cationic permethylated 6-monoamino-6-monodeoxy- $\beta$ -cyclodextrin as chiral selector of dansylated amino acids in capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 99, 16-21	3.5	9
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78	Enantiomeric purity determination of (L)-amino acids with pre-column derivatization and chiral stationary phase: development and validation of the method. <i>Food Chemistry</i> , <b>2014</b> , 158, 401-7	8.5	16
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2	Development and Application of Analytical Methods for Chiral Amino Acids and Related Metabolites. <b>2023</b> , 44, 21-26		○
1	Chiral Amino Acid Analysis in the Plasma of B6DAO <sup>+</sup> /- <sup>+</sup> Mice Lacking D-Amino Acid Oxidase Activity. <b>2023</b> , 44, 39-43		○