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Capillary electrophoresis-mass spectrometry of derivatized amino acids for targeted neurometabolomics – pH mediated reversal of diastereomer migration order

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Highlights:

- A CE-MS method for the targeted chiral analysis of five amino acids was developed.
- Chiral derivatization with FLEC was employed.
- The resolution of amino acid derivatives was found to be highly dependent on pH.
- An extraction protocol was optimized and characterized for CSF samples.

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