

2D-GC/MS analysis of amino acids as pivaloyl / isopropyl esters: preliminary report

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We review an analytical procedure using 1-dimensional (1D) and 2-dimensional (2D) gas chromatography / mass spectrometry (GC/MS) focusing on precise separations and the corresponding mass spectra of protein and non-protein amino acid derivatives. We used N-pivaloyl isopropyl esters of amino acids to show the summary of retention time and those of mass fragmentation patterns [1,2,3]. The present method will be applied into a further description of biogeochemistry of individual amino acid.

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[References]

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