

Title (en)

Mass spectrometry method with ion fragmentation by reaction with electrons

Title (de)

Massenspektrometrisches Verfahren mit Ionenfragmentierung durch Reaktion mit Elektronen

Title (fr)

Méthode de spectrométrie de masse avec fragmentation ionique par réaction avec des électrons

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a mass spectrometer, in particular a time-of-flight mass spectrometer, with fragmentation of pre-selected molecule ions for the acquisition of daughter ion spectra. The invention consists in an instrument with devices for generating multiply charged ions of the molecule of interest, for selecting a multiply charged ion species by a mass filter, for fragmenting the selected ions by allowing them to react with low energy electrons in an RF ion guide system, and for analyzing the fragment ions in a mass analyzer.

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Cited by

CN112885701A; GB2480049A; GB2480049B; GB2423631A; GB2423631B; CN117637436A; US8546751B2; US7476853B2; US8598514B2; WO2010096904A1

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