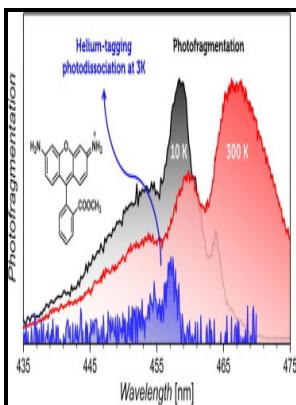


# Infrared photodissociation of gas phase ions - single photon and multiphoton events

## - - Infrared multiple



Description: -

-Infrared photodissociation of gas phase ions - single photon and multiphoton events

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The ions are stored and isolated in a quadrupole ion trap where they are investigated with infrared multiple photon dissociation spectroscopy using a free electron laser FEL. The authors would also like to thank the Brazilian Synchrotron Light Laboratory and the Theoretical Chemistry and Molecular Modeling Laboratory for their partial support.

## Infrared multiple photon dissociation spectra of gaseous ions

Characterizing the Intramolecular H-bond and Secondary Structure in Methylated GlyGlyH<sup>+</sup> with H2 Predissociation Spectroscopy. Urban JJ, Cramer CJ, Famini GR 1992 A computational study of solvent effects on the conformation of dopamine.

## Photodissociation

As a result, apparent unit mass shifts of backbone sequence ions in ExD spectra are thus not rare and result in an increased occurrence of ions with overlapping masses. For the nuclear reaction, see.

## IR SPECTROSCOPY OF GAS

Workflow for chemical characterisation of unknown analytes based on accurate mass measurement and experimental cryogenic infrared spectrum Interpreting infrared spectra Now that high-quality cryogenic infrared spectra on low-concentration samples i. Another such technique is ultraviolet photodissociation UVPD , in which analyte precursor ions are irradiated with ultraviolet UV radiation produced by a UV source, typically a laser. Gas Phase Infrared Spectroscopy of Cationic Indane, Acenaphthene, Fluorene, and Fluoranthene.

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