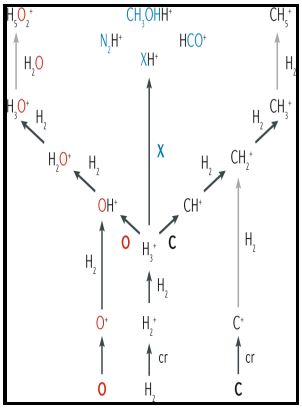
Infrared photodissociation of gas phase ions - single photon and multiphoton events

- - Structural characterization by infrared multiple photon dissociation spectroscopy of protonated gas



Description: -
-Infrared photodissociation of gas phase ions - single photon and multiphoton events
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Sussex theses ; S 4901Infrared photodissociation of gas phase ions - single photon and multiphoton events
Notes: D.Phil. 2000.
This edition was published in 2000

Tags: #Photodissociation

Photodissociation

Atkins, Khadijeh Rajabi, Elizabeth A.

Infrared photodissociation spectroscopy

However, the mechanisms involved in electron attachment to peptide ions, the possible role of excited electronic states, and the structural rearrangements and fragmentation reactions that can follow, remain only partially understood.

Isomer Population Analysis of Gaseous Ions From Infrared Multiple Photon Dissociation Kinetics

For singly charged clusters, reduced Coulombic repulsion and hydrogen bonding interactions are found to strongly influence the most stable cluster structure. .

Infrared ion spectroscopy: a bioanalytical tool for the identification of unknown small molecules

Lioe H, O'Hair RAJ 2007 Comparison of collision-induced dissociation and electron-induced dissociation of singly protonated aromatic amino acids, cystine and related simple peptides using a hybrid linear ion trap-FT-ICR mass spectrometer. Selection of positively or negatively charged precursor ions may be achieved by using a quadrupole mass filter or by using a quadrupole ion trap device such as a 3D quadrupole ion trap or by using a 2D linear quadrupole ion trap LIT.

MP Department

Other embodiments include a Product parking during PTR and b precursor parking during PTR.

SINGLE AND DOUBLE PHOTOIONIZATION AND PHOTODISSOCIATION OF TOLUENE BY SOFT X

International Journal of Mass Spectrometry 2010, 297 1-3 , 131-138. The Journal of Chemical Physics 2014, 141 10 , 104105. Removal of unwanted ions from ion traps may, for example, be achieved by resonance ejection, wherein any unwanted ions leave the trap by either an axial ejection mode or by a radial ejection mode.

Related Books

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