

Phototransformations of azetidine radical cations stabilized in freonic matrices

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Abstract

It has been established that transformations of azetidine radical cations observed in freonic matrices under the action of light with $\lambda = 436$ nm ($T = 77$ K) are associated with C-N bond cleavage which corresponds to the cyclic form yielding a mixture of open distonic C-centered radical cations of the following structure: $\cdot\text{CH}_2\text{CH}_2\text{CH}=\text{NH}^+ + \text{N}_2$ © 2014 Pleiades Publishing, Ltd.

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