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Ultrafast Photochromism of Dithizonatephenyl-mercury(II)

The photoinduced isomerisation reaction of dithizonatephenyl-mercury(II) in solution by femtosecond transient absorption spectroscopy is investigated. The C=N isomerisation from the cis reactant to trans product, results in a significantly red shifted absorption band for the product compared to the reactant. We discuss ultrafast photoinduced isomerisation along a reaction pathway.

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