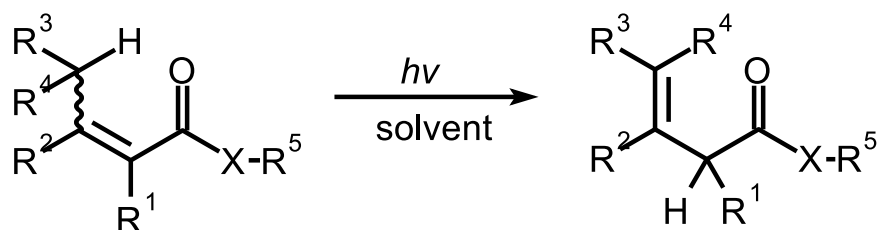


photodeconjugation

Photoinduced reaction of conjugated compounds (e.g., enones and carboxylic acid derivatives) leading to loss of conjugation.



X= O, NH

Note:

This reaction has important synthetic applications for the synthesis of frameworks of numerous natural products, such as β,γ -unsaturated carboxylic acids from photoexcitation of α,β -unsaturated carboxylic acid derivatives, excluding the use of strong bases, as required for similar isomerizations performed in the ground state.

Source:

PAC, 2007, 79, 293 (*Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006)*) on page 389