

photorearrangement

Photoisomerization involving changes in the arrangement of the atoms within the molecular species. It may lead to unstable isomers that react further by, e.g., dehydrogenation, deprotonation, or other reactions.

Note:

Examples are photorearrangements of alkenes (other than *cis-trans* photoisomerization), of cyclohex-2-enones, of endoperoxides, of thioarenes, the di- π -methane rearrangement and others.

Source:

PAC, 2007, 79, 293 (*Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006)*) on page 398