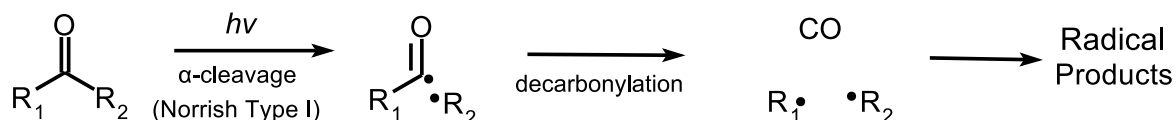


photodecarbonylation

Photoinduced extrusion of carbon monoxide (CO).

Notes:

1. Typical example is the Norrish Type I photoreaction, in which, after production of the diradical upon photoinduced α -cleavage, CO is eliminated. This reaction has been widely exploited for the production of radicals in crystals, as well as for the synthesis of cyclic compounds.



2. Another example is the photodecarbonylation of alpha-aryl aldehydes.

Source:

PAC, 2007, 79, 293 (*Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006)*) on page 388