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### ~~Organic photochemistry—Wikipedia~~

Indeed, one of the classic photochemical reactions of organic chemistry is the formation of 1,1,2,2-tetraphenyl-1,2-ethanediol (3, benzopinacol) by the action of light on a solution of diphenylmethanone (2, benzophenone) in isopropyl alcohol. The yield is quantitative.

### ~~28.3: Organic Photochemistry—Chemistry LibreTexts~~

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### ~~Photochemistry—Organic Syntheses with Light~~

- The first law of photochemistry, the Grotthuss-Draper law, states that light must be absorbed by a compound in order for a photochemical reaction to take place.
- The second law of photochemistry, the Stark-Einstein law, states that for each photon of light absorbed by a chemical system, only one molecule is activated for subsequent reaction. This "photoequivalence law" was derived by ...

### ~~Photochemistry—Michigan State University~~

Photochemistry is the branch of chemistry concerned with the chemical effects of light. Generally, this term is used to describe a chemical reaction caused by absorption of ultraviolet, visible light or infrared radiation. In nature, photochemistry is of immense importance as it is the basis of photosynthesis, vision, and the formation of vitamin D with sunlight. Photochemical reactions proceed differently than temperature-driven reactions. Photochemical paths access high energy intermediates th

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