

Oxirane derivatives

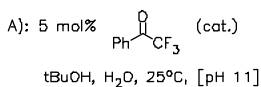
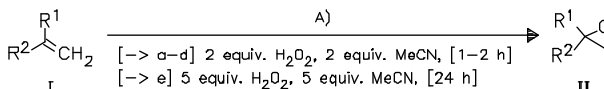


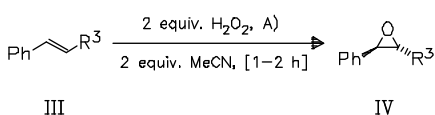
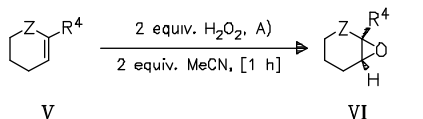

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47- 099

**2,2,2-Trifluoroacetophenone: An Organocatalyst for an Environmentally**

**Friendly Epoxidation of Alkenes.** — 2,2,2-Trifluoroacetophenone is found to be an efficient catalyst for epoxidation of alkenes providing a mild, fast, and inexpensive formation of a wide range of oxiranes. — (LIMNIO, D.; KOKOTOS\*, C. G.; J. Org. Chem. 79 (2014) 10, 4270-4276, <http://dx.doi.org/10.1021/jo5003938>; Lab. Org. Chem., Univ. Athens, GR-15771 Athens, Greece; Eng.) — Jannicke

a R<sup>1</sup>: -Ph; R<sup>2</sup>: -H 98%b R<sup>1</sup>: -Cl; R<sup>2</sup>: -H 94%c R<sup>1</sup>: ; R<sup>2</sup>: -H 98% (GC)d R<sup>1</sup>: -Me, R<sup>2</sup>: -Ph 97%e R<sup>1</sup>: -(CH<sub>2</sub>)<sub>7</sub>-Me; R<sup>2</sup>: -H 97%a R<sup>3</sup>: -Me 98%b R<sup>3</sup>: -CH<sub>2</sub>-OH 81%a R<sup>4</sup>: -Ph; Z: -CH<sub>2</sub>- 99%b R<sup>4</sup>: -H; Z: =O 99% (GC)c R<sup>4</sup>: -H; Z: -(CH<sub>2</sub>)<sub>2</sub>- 98%