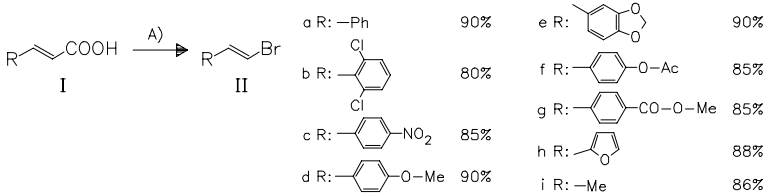
Decarboxylation

O 0296

40- 065

A Novel System for Decarboxylative Bromination. — α,β-Unsaturated carboxylic acids react with diphosphorus tetraiodide and Et_4NBr to give vinyl bromides via a decarboxylative bromination. The process shows a strong preference for the formation of trans-products and is compatible with a variety of functional groups. — (TELVEKAR*, V. N.; CHETTIAR, S. N.; Tetrahedron Lett. 48 (2007) 26, 4529-4532; Dep. Pharm. Sci. Technol., Inst. Chem. Technol., Univ. Mumbai, Matunga, Mumbai 400 019, India; Eng.) — Mais



A): 1.1 equiv. Et_4NBr, 1.1. equiv. P_2I_4, CS_2, 25°C