



Hydroxycarboxylic acids (ether carboxylic acids) and esters P 0280

DOI: 10.1002/chin.201141044

41-044

InCl₃-Catalyzed Carbene Insertion into O—H Bonds: Efficient Synthesis of Ethers. — Reaction of the carbene derived from ester (II) with alcohols results in formation of different types of ethers. The method tolerates various acid-sensitive protecting groups. — (KRISHNA*, P. R.; PRAPURNA, Y. L.; ALIVELU, M.; Tetrahedron Lett. 52 (2011) 27, 3460-3462, http://dx.doi.org/10.1016/j.tetlet.2011.04.099; Org. Chem. Div., Indian Inst. Chem. Technol., Hyderabad 500 607, India; Eng.) — Mais

A): 20 mol% InCl₃ (cat.), neat, 25°C, [up to 4 h]