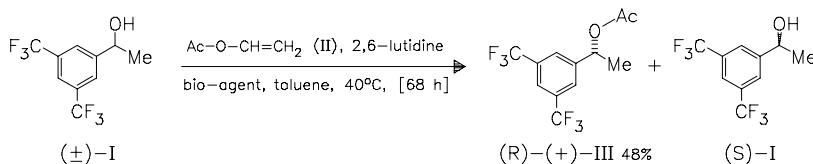


Alcohols

Q 0230

10- 073

Efficient Synthesis of (1R)-[3,5-Bis(trifluoromethyl)phenyl] Ethanol, a Key Intermediate for Aprepitant, an NK-1 Receptor Antagonist. — The optical resolution succeeds with *Candida antarctica* lipase-B (CAL-B) and vinyl acetate as the acyl donor in more than 99% e.e. (1R)-[3,5-Bis(trifluoromethyl)-phenyl ethanol (IV) is a key intermediate for the synthesis of Emend, a medicament for the treatment of chemotherapy-induced nausea and vomiting. — (VANKAWALA, P. J.; KOLLA, N.; ELATI, C. R.; SREENIVASULU, M.; KUMAR, K. A.; ANJANEYULU, Y.; VENKATRAMAN, S.; BHATTACHARYA, A.; MATHAD*, V. T.; *Synth. Commun.* 37 (2007) 19, 3439-3446; Dep. Res. Dev., Dr. Reddy's Lab. Ltd., Bollaram, Jinnaram 502 325, India; Eng.) — K. Woydowski



bio-agent: lipase B (*Candida antarctica*)

