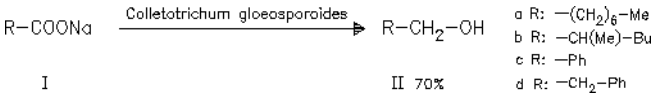
biochemical syntheses, microbiological syntheses

O 0035

32 - 059

Reduction of Carboxylates to Alkanols Catalyzed by Colletotrichum gloeosporoides. — Sodium carboxylates (I) are effectively reduced to the alcohols (II) by the title enzyme in a preparatively useful way. No enantiomeric enrichment occurs in the bioreduction of 2-methylhexanoic acid (Ib). — (FRONZA, G.; FUGANTI, C.; GRASSELLI, P.; SERVI, S.; ZUCCHI, G.; BARBENI, M.; VILLA, M.; J. Chem. Soc., Chem. Commun. (1995) 4, 439-440; Dip. Chim. Politec., CNR, Cent. Stud. Sostanze Org. Nat., I-20131 Milano, Italy; EN)



I II 70%