

Preparation of 3-pentenoic esters by carbonylation of alkoxy-
butenes

Abstract

3-Pentenoic esters are prepared by carbonylation of alkoxybutenes in the presence of a catalyst and a solvent at elevated temperature and elevated pressure, by reacting at least one C₁-C₁₀-alkoxybutene in which the alkoxy group is in the allyl position relative to the double bond with carbon monoxide at from 60 to 140°C and a carbon monoxide partial pressure in the range from 3 to 30 MPa in the presence of a catalyst based on palladium.