

ABSTRACT

An object of the present invention is to provide a process for producing an octadiene from 2,7-octadienyl formate in an industrially useful manner in which palladium can maintain its catalytic activity for a long period of time. More specifically, the present invention relates to a process for producing an octadiene which includes the steps of continuously adding 2,7-octadienyl formate into a reaction system in which a mixture of a palladium compound, a tertiary organophosphorus compound and a solvent is present; and subjecting the 2,7-octadienyl formate to reaction while continuously distilling off a reaction product containing the resulting octadiene out of the reaction system.