

ABSTRACT

PALLADIUM-CONTAINING CATALYST, METHOD FOR PRODUCING THE SAME, AND METHOD FOR PRODUCING α , β -UNSATURATED CARBOXYLIC ACID

Disclosed is a palladium-containing catalyst which enables to highly selectively produce an α , β -unsaturated carboxylic acid from an olefin or an α , β -unsaturated aldehyde. Also disclosed are a method for producing such a catalyst and a method for producing an α , β -unsaturated carboxylic acid wherein such a catalyst is used. Specifically disclosed is a palladium-containing catalyst containing 0.001-0.25 mole of antimony element per 1 mole of palladium element or a palladium-containing catalyst containing palladium element, tellurium element and bismuth element which constitute the metal component.