CATALYST FOR PROPYLENE DIMERIZATION AND DIMERIZATION METHOD

ABSTRACT

[PROBLEMS] To provide a catalyst for dimerizing propylene which has excellent propylene dimerization activity and a method of producing 4-methyl-1-pentene using the catalyst. [MEANS FOR SOLVING PROBLEMS] A catalyst for dimerizing propylene which contains a transition metal complex [A], and as needed, at least one compound [B] selected from the group consisting of an organometallic compound (b-1), an organoaluminumoxy compound (b-2), and a compound (b-3) which reacts with the transition metal complex [A] to form an ion pair, and a method of dimerizing propylene using the catalyst.