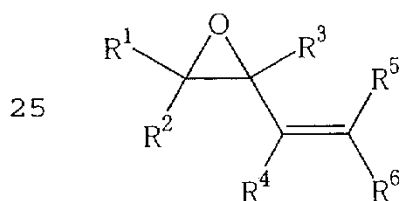


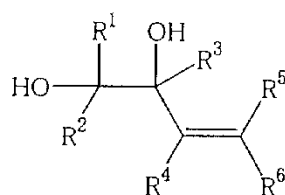
ABSTRACT

METHOD FOR PRODUCING UNSATURATED VICINAL DIOL COMPOUND

Disclosed is a method for producing an unsaturated vicinal diol compound represented by the formula (2) below which is characterized in that an unsaturated epoxy compound represented by the formula (1) below is reacted with water in the presence of a silicate which contains at least one element selected from the group consisting of group V elements and group VI elements of the long form periodic table as a constituent. (1) (In the formula (1), R^1 , R^2 , R^3 , R^4 , R^5 and R^6 may be the same as or different from one another and respectively represent a hydrogen atom; an alkyl group having 1-20 carbon atoms which may be substituted by a halogen atom, an alkoxy group having 1-6 carbon atoms, an alkoxy carbonyl group having 2-7 carbon atoms, an aryl group having 6-10 carbon atoms or a carboxyl group; or an aryl group having 6-10 carbon atoms which may be substituted by a halogen atom, an alkoxy group having 1-6 carbon atoms, an aryl group having 6-10 carbon atoms or a carboxyl group.) (2) (In the formula (2), R^1 , R^2 , R^3 , R^4 , R^5 and R^6 are as defined above.)



(1)



(2)