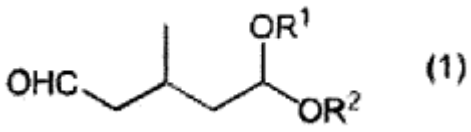
CLAIMS

[Claim 1]

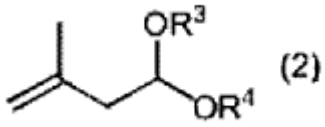
A production method of 3-methylglutaraldehyde, comprising a step of hydrolyzing a compound represented by the following general formula (1):



(1)

wherein R^1 and R^2 each independently represent an alkyl group having 1 to 6 carbon atoms, or are mutually coupled to represent an alkylene group having 2 to 6 carbon atoms, and

a step of subjecting a compound represented by the following general formula (2):



(2)

wherein R^3 and R^4 each independently represent an alkyl group having 1 to 6 carbon atoms, or are mutually coupled to represent an alkylene group having 2 to 6 carbon atoms,

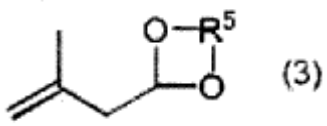
to hydroformylation to obtain a compound represented by the general formula (1).

[Claim 2]

The production method according to claim 1, further comprising a step of subjecting 3-methyl-3-buten-1-al to acetalization, to obtain a compound represented by the general formula (2).

[Claim 3]

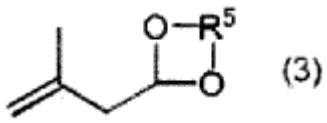
A compound represented by the following general formula (3):



wherein R^5 represents a linear alkylene group having only 2 carbon atoms.

[Claim 4]

A compound represented by the following general formula (3):



wherein R^5 represents a linear alkylene group having only 4 to 6 carbon atoms.