

Title (en)
PROCESS FOR THE PREPARATION OF VINYL OXIRANES SUBSTITUTED BY HALOGEN

Publication
EP 0000535 B1 19820519 (DE)

Application
EP 78100421 A 19780718

Priority
DE 2734243 A 19770729

Abstract (en)
[origin: EP0000535A1] 1. Process for the preparation of vinyloxiranes which are halogen-substituted on the oxirane ring and/or on the vinyl group from halogen-substituted polyenes and percarboxylic acids in organic solution, characterised in that a halogen-substituted polyene of the formula see diagramm : EP0000535,P9,F3 wherein R**1 and R**6 independently of one another denote hydrogen, C1 - to C4 -alkyl, vinyl or phenyl and R2 , R3 , R4 and R5 independently of one another represent hydrogen, C1 - to C4 -alkyl, vinyl, C3 - to C7 -cycloalkyl, phenyl, fluorine, chlorine or bromine, at least one of the radicals R2 to R5 denoting fluorine, chlorine or bromine, and wherein R1 and R2 , or R1 and R3 , or R1 and R4 , or R1 and R5 , or R3 and R4 can form a carbocyclic ring, is reacted with a solution of a percarboxylic acid in an organic solvent at a molar ratio of halogen-substituted polyene to percarboxylic acid of 1.0:1.0 to 10 or 1.0 to 10:1.0 and at a temperature of -20 degrees C to +100 degrees C, the percarboxylic acid containing up to 5% by weight of water and up to 2% by weight of hydrogen peroxide and the percarboxylic acid solution containing less than 50 ppm of mineral acid.

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Cited by
EP2025952A2; DE102021123420A1; DE102023106792A1; EP1717884A1

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