

Title (en)
PROCESS FOR THE PREPARATION OF VINYL OXIRANES

Publication
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Application
EP 78100420 A 19780718

Priority
DE 2734242 A 19770729

Abstract (en)
[origin: EP0000534A1] 1. Process for the preparation of vinyloxirane and substituted vinyloxiranes from polyenes and percarboxylic acids, characterised in that a polyene of the formula see diagramm : EP0000534,P9,F5 wherein R1 , R2 , R3 , R4 , R5 and R6 independently of one another denote hydrogen, C1 - to C4 -alkyl, vinyl, C3 - to C7 -cycloalkyl or phenyl, and wherein R1 and R3 , R1 and R4 or R1 and R5 can form a carbocyclic ring with up to 12 carbon atoms, is reacted with a solution of a percarboxylic acid containing 3 to 4 carbon atoms in an aromatic hydrocarbon with 6 to 12 carbon atoms or in a chlorinated hydrocarbon containing 1 to 8 carbon atoms, which solution contains up to 5% by weight of water, up to 2% by weight of hydrogen peroxide and less than 50 ppm of mineral acid, at a molar ratio of polyene to percarboxylic acid of 1.5:1 to 5:1 and at a temperature of -20 degrees C to +100 degrees C.

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