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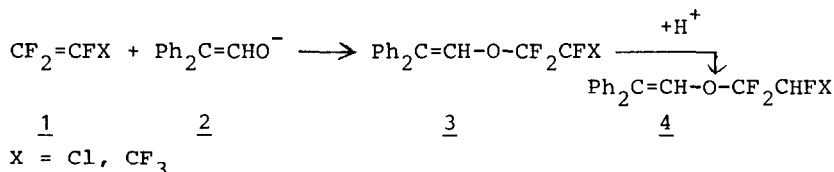
REACTIONS OF DIPHENYLACETALDEHYDE WITH FLUOROALKENES IN A TWO-PHASE SYSTEM

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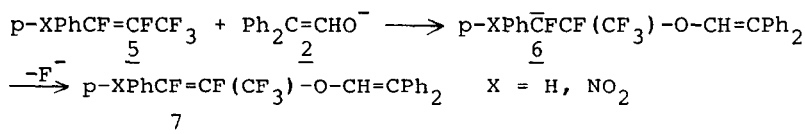
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Reactions of fluoroalkenes with an anion generated from diphenylacetaldehyde in a catalytic two-phase system were investigated.

In the reactions with terminal fluoroalkenes 1 products 4 of the addition of enolate anion 2 followed by protonation of intermediate carbanion 3 were formed.



In contrast, in the reactions with 1-phenylpentafluoropropenes 5 intermediate carbanion 6 eliminated fluoride ion to give vinyl ethers 7.



Structure of compounds 4 and 7 were confirmed by the ^1H - and ^{19}F -NMR and IR spectra and by elemental analysis.