

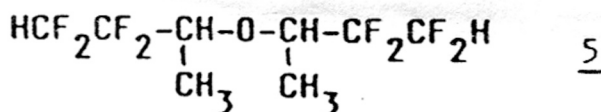
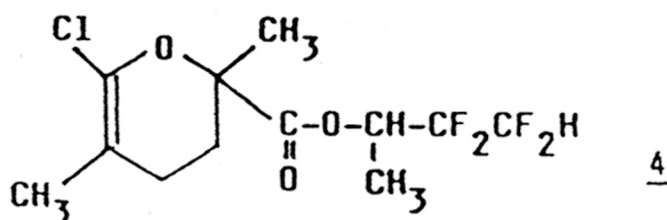
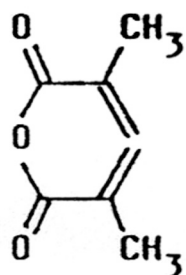
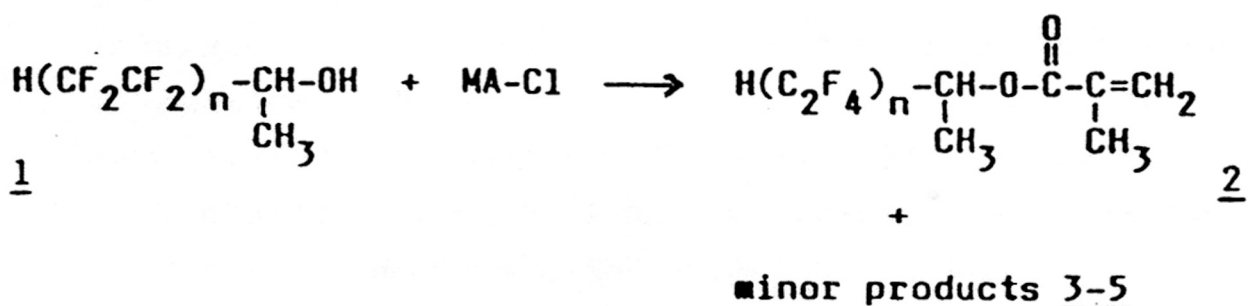
UNUSUAL MINOR PRODUCTS IN THE PREPARATION OF METHACRYLATES
OF FLUOROALKANOLS

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The preparation of fluoroalkyl methacrylates from fluoroalkanol and methacryloyl chloride is a general procedure for this kind of monomers. By detailed analysis of fractions obtained from the reaction of fluoroalkanol 1 with methacryloyl chloride we found minor products 3-5 to be present in some fractions. Two of them are very unusual:



The first compound 3, methacrylanhydride, we usually met in trace amount in reaction mixtures. However, compounds 4 and 5 we have only found in the reaction of alkanol 1 ($n = 1$). Compound 4 obviously is composed from one molecule of methacrylate 2 and from one molecule of methacryloyl chloride. The third minor product (5) is derived from the starting fluoroalkanol 1.

Suggested pathways of the formation of compounds 3-5 will be discussed.