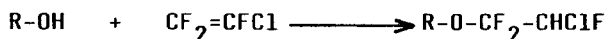


## SOME PROPERTIES OF ALKYL 2-CHLORO-1,1,2-TRIFLUOROETHYL ETHERS

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A series of alkyl 2-chloro-1,1,2-trifluoroethyl ethers was prepared by the addition of alkanols to chlorotrifluoroethylene.



R = methyl, ethyl, isopropyl, t-butyl, cyclohexyl,  
pinakolylyl, menthyl

Thermal stability of alkyl 2-chloro-1,1,2-trifluoroethyl ethers was investigated on glc columns at 80 - 200 °C and on heating in solvents of various polarity.

Products of thermal decomposition of t-butyl 2-chloro-1,1,2-trifluoroethyl ether in benzene, benzylalcohol and decahydro-naphthalene were isolated and identified. In strongly polar solvents (N,N-dimethylaniline, pyridine, dimethylsulfoxide or N,N-dimethylformamide) the decomposition of the t-butyl 2-chloro-1,1,2-trifluoroethyl ether did not proceed.