

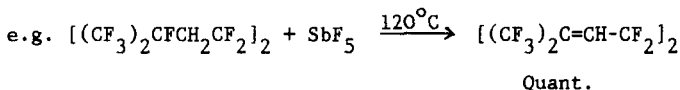
CHEMISTRY OF MODEL COMPOUNDS

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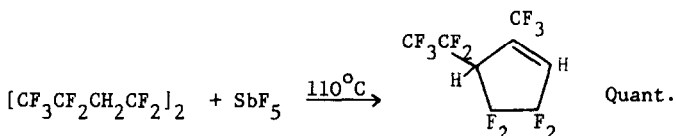
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We have been investigating the synthesis and chemistry of model compounds of general structure $R_F(CH_2CF_2)_nR'_F$ and unsaturated compounds derived from these systems. In the course of this work we have observed some very unusual chemistry as exemplified by the following:

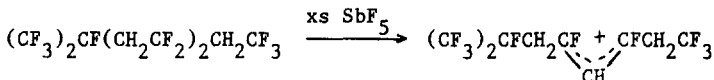
1. Cyclisations involving fluoride with crowded systems.
2. Novel diene and polyene syntheses, using SbF_5 ,



3. Cyclisations involving electrophilic substitution at a σ -bond



4. Formation of some remarkably long-lived fluorinated carbocations.



These and other systems will be discussed.