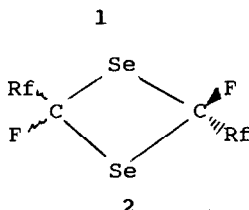
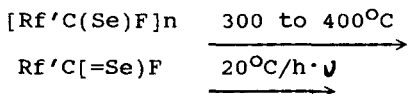
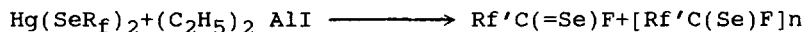


PREPARATION, CHARACTERIZATION AND REACTIONS OF
PERFLUOROORGANO-SELENOCARBONYLS AND THEIR DIMERS

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The perfluorinated selenocarbonyls $F_3CC(=Se)F$, $C_2F_5C(=Se)F$,
 $F_3CSeC(=Se)F$ and their cyclic dimers [1] are synthesized
according to



1/2	a	b	c
R _f	CF ₃	C ₂ F ₅	CF ₃ CF ₂ CF ₂
R _f '	CF ₃ Se	CF ₃	C ₂ F ₅

Cis-trans-isomers are observed for 2 but only for 2b the two isomers were separated by preparative gas chromatography. They are fully characterized. Crystal structure for trans- 2b will be provided. The monomers undergo as dienophils (2+4) cyclo additions and form with cyclopentadiene a mixture of exo-, endo- 2-seleno-bicyclo[2.2.1]hept-5-enes. Reactions of 2b,c and tetrafluoro-1,3-diselenetane with AsF₅ in SO₂ shall be discussed.