

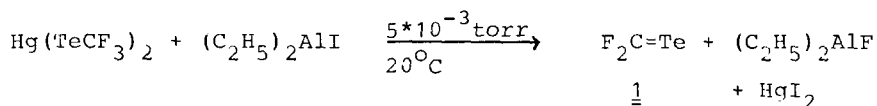
SYNTHESIS AND CHARACTERIZATION OF 2,2,4,4-TETRAFLUORO-1,3-DITELLURAEETANE AND -1-SELENA-3-TELLURAEETANE VIA THE INTERMEDIATE DIFLUOROTELLUROKETONE

Roland Boese<sup>b</sup>, Alois Haas<sup>\*a</sup> and Christian Limberg<sup>a</sup>

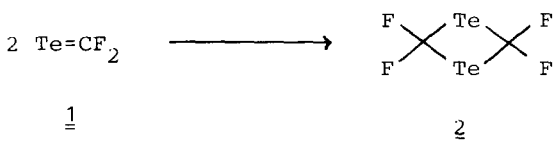
a Lehrstuhl für Anorganische Chemie II der Ruhr-Universität Bochum, Universitätsstr. 150, 4630 Bochum (F.R.G.)

b Institut für Anorganische Chemie der Universität-G.H., Universitätsstr. 3-5, 4300 Essen (F.R.G.)

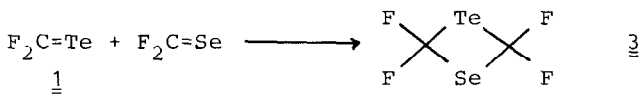
Difluorotelluroketone (1) is made by reacting  $\text{Hg}(\text{TeCF}_3)_2$  with  $(\text{C}_2\text{H}_5)_2\text{AlI}$ :



The deep violett, transient, amorphous material 1, which is thermally very unstable, is characterized by its dimerization product 2,2,4,4-Tetrafluoro-1,3-ditelluraetane (2).



Preliminary X-ray data for 2 are provided. 1 cocondenses with  $\text{F}_2\text{C}=\text{Se}$  to 2,2,4,4-Tetrafluoro-1-selena-3-telluraetane (3)



which proves the free existence of 1. Additional reactions will be discussed.