

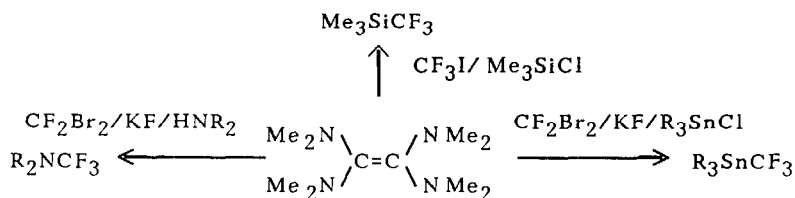
REACTIONS OF TETRAKIS(DIMETHYLAMINO)ETHYLENE WITH VARIOUS PERHALOGENATED METHANES

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Reactions of tetrakis(dimethylamino)ethylene (I) with CF_3I and CF_2Br_2 in the presence of different reactants have been investigated according to the reaction scheme below. While the reagent combination (I)/ CF_3I acts as a trifluoromethylating agent [1], N-trifluoromethylation of secondary amines has been observed with the combination (I)/ $\text{CF}_2\text{Br}_2/\text{KF}$ [2]. Under similar reaction conditions trifluoromethylstannanes R_3SnCF_3 have been obtained.



The mechanism of the reactions is discussed.

1 G. Pawelke, J. Fluorine Chem., 42 (1989) 429.

2 G. Pawelke, J. Fluorine Chem., in Press.