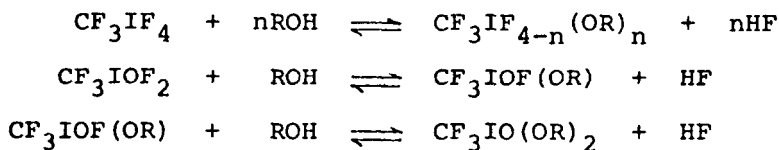


SOME NEW FLUORINE EXCHANGE REACTIONS OF PERFLUOROALKYL-  
IODINE(V)FLUORIDES

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The perfluoroalkyliodine(V)fluorides  $\text{CF}_3\text{IF}_4$  and  $\text{CF}_3\text{IOF}_2$  react with many alcohols, acids and anhydrides in solution to give fluorine exchange. In all these reactions we observed equilibria, e.g.:



These reactions depend strongly on the kind of the reacting compounds and on the conditions, and they can be followed by n.m.r. spectroscopy. When trying to isolate the new derivatives always decomposition takes place.

These reactions, the n.m.r. spectra, the properties of the new compounds and the decomposition reactions will be reported.