

SYNTHESES AND REACTIONS OF PERFLUOROORGANO COPPER  
AND SILVER COMPOUNDS

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Perfluoroorgano copper compounds are formed by reacting bis(perfluoroorgano)cadmium complexes with copper(I) salts [1]. Some reactions with inorganic compounds are described. The reactivities and the limits to react as perfluoroorganylation reagents shall be discussed.

$\text{Cd}(\text{CF}_3)_2$  complexes react with silver(I) salts to form  $[\text{Ag}(\text{CF}_3)_4]^-$  as the final product [2]. Here we report the syntheses of  $\text{AgR}_f$  and  $[\text{Ag}(\text{R}_f)_2]^-$ , which are identified by n.m.r. spectroscopy. Some reactions of these perfluoroorgano silver(I) derivatives will be discussed.

A new route to prepare  $\text{AgC}_6\text{F}_5$  is presented.

- 1 D.M. Wiemers and D.J. Burton, J. Am. Chem. Soc. **108** (1986) 832.
- 2 W. Dukat and D. Naumann, Rev. Chim. Min. **23** (1986) 589.