28 **CCuFO** **Carbonylfluorocopper** $C_{\infty v}$

MW F–Cu–C=O

r_0	Å [a])
C=O	1.1307(2)
C–Cu	1.7639(4)
Cu–F	1.7364(3)

$r_{I\varepsilon}$	Å [a])
C=O	1.13078(3)
C–Cu	1.76455(6)
Cu–F	1.7332(2)

$r_m^{(1)}$	Å [a])
C=O	1.13033(3)
C–Cu	1.76385(4)
Cu–F	1.7325(3)

The C=O distance is comparatively short and is close to that of free CO. The Cu–C distance is longer than that predicted by *ab initio* calculations, and the Cu–F distance is very similar to that observed in CuF.

[a]) Estimated standard errors.

Walker, N.R., Gerry, M.C.L.: Inorg. Chem. **40** (2001) 6158.