

18	ArClCu	Argon – copper monochloride (1/1)	C_{∞v}
MW		(weakly bound complex)	(effective symmetry class)
			(large-amplitude motion)
			Ar · CuCl

r_0	Å ^{a)}
Cu–Cl	2.07(2)
Ar...Cu	2.26(2)

r_s	Å
Cu–Cl	2.066(3) ^{a)}
	2.0501(30) ^{b)}
Ar...Cu	2.228(7) ^{a)}
	2.2706(70) ^{b)}

The complex is linear and rather rigid in the ground vibrational state. The Ar...Cu stretching wavenumber is estimated to be *ca.* 200 cm⁻¹.

^{a)} Estimated standard errors.

^{b)} By a double substitution method. Uncertainties were not estimated in the original paper.

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