

<b>17</b>	<b>ArBrCu</b>	<b>Argon – copper monobromide (1/1)</b>	<b>C<sub>∞v</sub></b>
MW		(weakly bound complex)	(effective symmetry class)
			(large-amplitude motion)
			Ar · CuBr

$r_0$	Å <sup>a)</sup>
Cu–Br	2.168(3)
Ar...Cu	2.296(3)

$r_s$	Å
Cu–Br	2.1675(2) <sup>a)</sup>
	2.1728(3) <sup>b)</sup>
Ar...Cu	2.3020(3) <sup>a)</sup>
	2.2883(4) <sup>b)</sup>

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

<sup>a)</sup> Estimated standard errors.

<sup>b)</sup> By a double substitution method. Uncertainties were not estimated in the original paper.

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