14 **CBrNO** **Bromine fulminate** **$C_{\infty v}$**
MW (effective symmetry class)
Br–C≡N–O

r_0 [a])	Å	θ_0 [a])	deg
Br–C	1.80548(25)	C≡N–O	173.04 [b])
C≡N	1.1732 [b])	Br–C≡N [c])	27.430(42)
N–O	1.2037 [b])		

The irregular sequence of satellite spectra indicates that the Br–C≡N mode is highly anharmonic; *i.e.*, BrCNO exhibits truly quasilinear behavior.

[a]) Structural parameters derived by a semirigid bender analysis, which yields the barrier to linearity of 130.82(56) cm^{-1} and the force constant for bending of 0.08116(53) aJ rad^{-2}.
[b]) Assumed.
[c]) Complement.

Lichau, H., Gillies, C.W., Gillies, J.Z., Ross, S.C., Winnewisser, B.P., Winnewisser, M.: J. Phys. Chem. A **105** (2001) 10065.