

85
ED, IR

BiI₃

Bismuth triiodide

Bismut(III) iodide, Triiodobismuthine

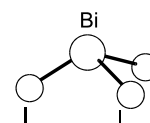
C_{3v}
BiI₃

r_g	Å ^{a)}
Bi-I	2.807(6)

θ_α	deg ^{a)}
I-Bi-I	99.5(3)

r_e^h	Å ^{a)}
Bi-I	2.791(6)

θ_e^h	deg ^{a)}
I-Bi-I	99.3(3)



The nozzle temperature was 563 K.

^{a)} Estimated total error.

^{b)} Estimated in harmonic approximation by a joint analysis of ED and vibrational spectroscopic data. These are essentially equal to the r_α parameters.

Molnár, J., Kolonits, M., Hargittai, M., Konings, R.J.M., Booij, A.S.: Inorg. Chem. **35** (1996) 7639.