

Structure Data of Free Polyatomic Molecules

288
ED, IR

I₃Sb

Antimony triiodide
Triiodostibine

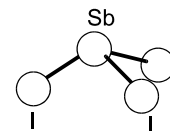
C_{3v}
SbI₃

r_g	Å ^{a)}
Sb–I	2.721(5)

θ_α	deg ^{a)}
I–Sb–I	99.0(3)

r_e^h	Å ^{a)}
Sb–I	2.710(6)

θ_e^h	deg ^{a)}
I–Sb–I	99.0(2)



The nozzle temperature was 433 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.

Replaces [II/25A\(2, 799\)](#)