



>>Entry Name: Tin(II) bromide (SnBr₂), 9CI

Synonym(s): Stannous bromide. Tin dibromide

CAS Registry Number: 10031-24-0

SnBr₂

Molecular Formula: Br₂Sn

Molecular Weight: 278.518

Accurate Mass: 275.778872

Percentage Composition: Br 57.38%; Sn 42.62%

Source/Synthesis: Synth. by dissolving Sn in conc. HBr

Physical Description: Bright yellow cryst., somewhat hygroscopic and light-sensitive. Hydrol. by H₂O

Melting Point: Mp 215.5°

Boiling Point: Bp 620°

Solubility: Sol. H₂O, EtOH, Et₂O, Me₂CO

Aldrich: 30925-7

References:

Kendall, J. *et al.*, *J.A.C.S.*, 1923, **45**, 963, (*synth*)

Wittig, G. *et al.*, *Ber.*, 1939, **72**, 1387, (*synth*)

Knowles, D.J. *et al.*, *J. Phys. Chem.*, 1970, **74**, 3642, (*ms*)

Andersson, J. *et al.*, *Acta Chem. Scand., Ser. A*, 1975, **29**, 956, (*cryst struct*)

Donaldson, J.D. *et al.*, *J.C.S. Dalton*, 1977, 996, (*Mössbauer*)

Deans, R.A. *et al.*, *Synth. React. Inorg. Met.-Org. Chem.*, 1978, **8**, 345, (*synth*)

Gospodinov, G.G., *Russ. J. Inorg. Chem. (Engl. Transl.)*, 1984, **29**, 1407, (*synth*)