



>>Entry Name: Dibromodibutylstannane, 9CI

Synonym(s): Dibutyltin dibromide

CAS Registry Number: 996-08-7

$(\text{H}_3\text{CCH}_2\text{CH}_2\text{CH}_2)_2\text{SnBr}_2$

Molecular Formula: $\text{C}_8\text{H}_{18}\text{Br}_2\text{Sn}$

Molecular Weight: 392.748

Accurate Mass: 389.919722

Percentage Composition: C 24.47%; H 4.62%; Br 40.69%; Sn 30.23%

Source/Synthesis: Synth. from Bu_4Sn + SnBr_4 at 200-220° for 3h

Physical Description: White solid

Melting Point: Mp 20°

Boiling Point: Bp_{0.04} 96-98°

Density: d_4^{25} 1.72

Refractive Index: n_D^{25} 1.5400

Other: Gelest SND3175

References:

Alleston, D.L. *et al.*, *J.C.S.*, 1962, 2050-2054, (*synth, props*)

Mullins, M.A. *et al.*, *Inorg. Chem.*, 1967, **6**, 2017-2019, (*synth, props, Mössbauer*)

Clark, R.J.H. *et al.*, *J.C.S.(A)*, 1968, 1828-1834, (*ir*)

Gmelin Handbook Inorg. Chem., Syst. No. 46, Organotin Bromides, 1980, **7**, 131-138, (*props*)

McManus, J. *et al.*, *J. Organomet. Chem.*, 1994, **468**, 87-92, (*Sn-199 nmr*)