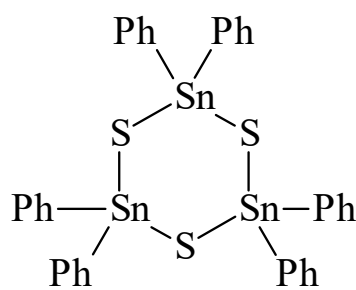




>>Entry Name: Diphenylthioxostannane, 12Cl

Synonym(s): Diphenyltin sulfide



trimer

CAS Registry Number: 20332-10-9

Molecular Formula: $C_{12}H_{10}SSn$

Molecular Weight: 304.987

Accurate Mass: 303.95252

Percentage Composition: C 47.26%; H 3.30%; S 10.51%; Sn 38.92%

General Statement: Trimeric

>>Derivative: Trimer

Synonym(s): 2,2,4,4,6,6-Hexaphenyl-1,3,5-trithia-2,4,6-tristannacyclohexane, 10Cl

CAS Registry Number: 16892-66-3

Molecular Formula: $C_{36}H_{30}S_3Sn_3$

Molecular Weight: 914.961

Accurate Mass: 911.85756

Percentage Composition: C 47.26%; H 3.30%; S 10.51%; Sn 38.92%

Source/Synthesis: From Ph_2SnCl_2 and Na_2S

Physical Description: White cryst.

Melting Point: Mp 183-184°

Solubility: Sol. org. solvs.

References:

- Ingham, R.K. *et al.*, *Chem. Rev.*, 1960, **60**, 459, (*rev*)
Schumann, H., *Z. Anorg. Allg. Chem.*, 1967, **354**, 192, (*cryst struct*)
Harrison, P.G. *et al.*, *J. Organomet. Chem.*, 1973, **47**, 89, (*ms*)
Berwe, H. *et al.*, *Chem. Ber.*, 1987, **120**, 1175, (*synth*)
Kabouche, Z. *et al.*, *J. Organomet. Chem.*, 1989, **375**, 191, (*reaction*)
Edwards, A.J. *et al.*, *Acta Cryst. C*, 1990, **46**, 1397-1399, (*cryst struct*)
Inorg. Synth., 1997, **31**, 86-91, (*synth, Sn-119 nmr*)