



>>Entry Name: Dibutylthioxostannane, 11Cl

Synonym(s): Dibutyltin sulfide

CAS Registry Number: 4253-22-9

Related CAS Registry Numbers(s): 71865-66-2

As Dimethylthioxotin, [FSQ74-X](#) with

R = (CH₂)₃CH₃, X = S

Molecular Formula: C₈H₁₈SSn

Molecular Weight: 265.006

Accurate Mass: 264.01512

Percentage Composition: C 36.26%; H 6.85%; S 12.10%; Sn 44.80%

General Statement: Trimeric

>>Derivative: Trimer

Synonym(s): 2,2,4,4,6,6-Hexabutyl-1,3,5-trithia-2,4,6-tristannacyclohexane, 11Cl

CAS Registry Number: 15220-82-3

Molecular Formula: C₂₄H₅₄S₃Sn₃

Molecular Weight: 795.019

Accurate Mass: 792.04536

Percentage Composition: C 36.26%; H 6.85%; S 12.10%; Sn 44.80%

Source/Synthesis: Synth. from Bu₂SnCl₂ + Na₂S in H₂O

Use/Importance: Stabiliser for PVC

Physical Description: Heavy oil or solid

Melting Point: Mp 63-69°

References:

Ingham, R.K. *et al.*, *Chem. Rev.*, 1960, **60**, 459, (*rev*)

Schumann, H. *et al.*, *Chem. Ber.*, 1963, **96**, 3017

Kriegsmann, H. *et al.*, *Z. Chem.*, 1963, **3**, 268, (*ir*)

Harrison, P.G. *et al.*, *J. Organomet. Chem.*, 1973, **47**, 89, (*ms*)

Gingras, M. *et al.*, *J.O.C.*, 1990, **55**, 2078, (*reactions*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DEI200