



>>Entry Name: Dibutoxydibutyltin

Synonym(s): Dibutoxydibutylstannane, 9CI

CAS Registry Number: 3349-36-8

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

Molecular Formula: $\text{C}_{16}\text{H}_{36}\text{O}_2\text{Sn}$

Molecular Weight: 379.169

Accurate Mass: 378.17373

Percentage Composition: C 50.68%; H 9.57%; O 8.44%; Sn 31.31%

General Statement: Dimeric in liq. state

Source/Synthesis: Synth. from $\text{Bu}_2\text{SnCl}_2 + \text{BuONa}$

Physical Description: Liq.

Boiling Point: $\text{Bp}_{0.05}$ 136-138°

Hazard & Toxicity: Fl. p. 116°

Other: Gelest SND3180

References:

Gerrard, W. *et al.*, *J.C.S.*, 1964, 740-745, (*synth*)

Butcher, F.K. *et al.*, *Spectrochim. Acta*, 1964, **20**, 51-61, (*ir*)

Smith, P.J. *et al.*, *J. Organomet. Chem.*, 1972, **40**, 341-353, (*Sn-119 nmr*)