



>>Entry Name: Benzoyloxytributyltin

Synonym(s): (Benzoyloxy)tributylstannane, 9Cl. Tributyltin benzoate

CAS Registry Number: 4342-36-3

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

Molecular Formula: $\text{C}_{19}\text{H}_{32}\text{O}_2\text{Sn}$

Molecular Weight: 411.171

Accurate Mass: 410.14243

Percentage Composition: C 55.50%; H 7.84%; O 7.78%; Sn 28.87%

Source/Synthesis: Synth. from Bu_2SnO + BzOH, or from Bu_3SnCl + BzONa

Physical Description: Liq.

Boiling Point: Bp_1 166-168°

Density: d^{20}_{20} 1.19

Refractive Index: n_D^{20} 1.5157

Hazard & Toxicity: Fl. p. >110°. LD₅₀ (mus, orl) 108mg/kg

Other: Gelest SNT8070

References:

Allen, D.W. *et al.*, *J. Organomet. Chem.*, 1978, **156**, 359-368, (*synth, ir, Mössbauer*)

Nadvornik, M. *et al.*, *J. Organomet. Chem.*, 1984, **275**, 43-51, (*cmr, Sn-119 nmr*)

Lycka, A. *et al.*, *J. Organomet. Chem.*, 1985, **294**, 179-182, (*O-17 nmr*)

Kosugi, M. *et al.*, *Bull. Chem. Soc. Jpn.*, 1987, **60**, 3462-3464, (*synth, ir, uv, pmr, cmr*)

Sandhu, G.K. *et al.*, *J. Organomet. Chem.*, 1987, **321**, 15-25, (*synth, ir, pmr, Mössbauer*)