



>>Entry Name: Diallyldibutyltin

Synonym(s): Dibutyl di-2-propenylstannane, 9CI

CAS Registry Number: 15336-98-8

$(\text{H}_2\text{C}=\text{CHCH}_2)_2\text{Sn}(\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3)_2$

Molecular Formula: $\text{C}_{14}\text{H}_{28}\text{Sn}$

Molecular Weight: 315.085

Accurate Mass: 314.1213

Percentage Composition: C 53.37%; H 8.96%; Sn 37.68%

Source/Synthesis: Synth. from $\text{Bu}_2\text{SnCl}_2 + \text{H}_2\text{C}=\text{CHCH}_2\text{MgCl}$

Physical Description: Liq.

Boiling Point: $\text{Bp}_{0.1}$ 93°

Density: d^{25} 1.5

Refractive Index: n_D^{25} 1.0999

Other: Gelest SND2740

References:

Sanders, D.R. *et al.*, *J.A.C.S.*, 1959, **81**, 972-975, (*synth*)

Schwartz, W.T. *et al.*, *J. Organomet. Chem.*, 1964, **2**, 357-360, (*synth, ir*)

Carofiglio, T. *et al.*, *Organometallics*, 1992, **11**, 2961-2963, (*synth*)

Von Gyldenfeldt, F. *et al.*, *Organometallics*, 1994, **13**, 906-913, (*synth*)