



>>Entry Name: (Tributylstannyl)lithium, 9Cl

Synonym(s): Lithium tributylstannide. Tributyltinlithium

CAS Registry Number: 4226-01-1

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

Molecular Formula: $\text{C}_{12}\text{H}_{27}\text{LiSn}$

Molecular Weight: 296.996

Accurate Mass: 296.129478

Percentage Composition: C 48.53%; H 9.16%; Li 2.34%; Sn 39.97%

Source/Synthesis: Synth. in THF soln. from Bu_3SnCl + Li, or from Bu_3SnH + LDA

Use/Importance: Stannylation reagent

References:

Tamborski, C. *et al.*, *J.O.C.*, 1963, **28**, 237-239, (*synth*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1986, **12**, 523

Reich, H.J. *et al.*, *Organometallics*, 1994, **13**, 1-3, (*Li-7 nmr*, *P-31 nmr*, *Sn-119 nmr*)