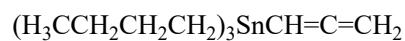




>>Entry Name: Tributyl-1,2-propadienylstannane, 10CI

Synonym(s): Allenyltributylstannane. Tributylallenyltin

CAS Registry Number: 53915-69-8



Molecular Formula: $\text{C}_{15}\text{H}_{30}\text{Sn}$

Molecular Weight: 329.112

Accurate Mass: 328.13695

Percentage Composition: C 54.74%; H 9.19%; Sn 36.07%

Source/Synthesis: Synth. from $\text{H}_2\text{C}=\text{C}=\text{CHMgBr}$ and Bu_3SnCl in Et_2O

Use/Importance: Reacts with isoquinoline in the presence of chloroformate esters $\rightarrow$ 2-alkoxycarbonyl-1-(2-alkynyl)-1,2-dihydroisoquinolines

Physical Description: Colourless liq.

Boiling Point: $\text{Bp}_{0.1}$ 90-92°

Other Data: Ir $\nu_{\text{C}=\text{C}}$ *ca.* 1930 cm^{-1}

References:

Ueno, Y. *et al.*, *J.A.C.S.*, 1979, **101**, 1893, (*synth*)

Boaretto, A. *et al.*, *J. Organomet. Chem.*, 1985, **297**, 149, (*synth*)

Yamaguchi, R. *et al.*, *Chem. Lett.*, 1987, **8**, 1519, (*reactions*)