



>>Entry Name: 1,2-Ethynediylbis[tributylstannane], 9CI

Synonym(s): Bis(tributylstannyl)acetylene

CAS Registry Number: 994-71-8

$(\text{H}_3\text{CCH}_2\text{CH}_2\text{CH}_2)_3\text{SnC}\equiv\text{CSn}(\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3)_3$

Molecular Formula: $\text{C}_{26}\text{H}_{54}\text{Sn}_2$

Molecular Weight: 604.133

Accurate Mass: 602.22695

Percentage Composition: C 51.69%; H 9.01%; Sn 39.30%

Source/Synthesis: Synth. from acetylene + Bu_3SnLi

Physical Description: Liq.

Boiling Point: $\text{Bp}_{0.1}$ 140-145°

Density: d^{20} 1.15

Refractive Index: n_D^{20} 1.4935

Hazard & Toxicity: Fl. p. >110°

Other: Gelest SNB1790

References:

Warner, B.P. *et al.*, *J.O.C.*, 1994, **59**, 5822-5823, (*synth*, *pmr*, *cmr*)

Yang, Y. *et al.*, *Tetrahedron*, 1994, **50**, 9583-9608, (*synth*, *pmr*, *cmr*)