



>>Entry Name: Tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)stannane, ¹³Cl

Synonym(s): Tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)tin hydride. Tris[2-(perfluorohexyl)ethyl]tin hydride

CAS Registry Number: 175354-32-2

$(F_3CCF_2CF_2CF_2CF_2CH_2CH_2)_3SnH$

Molecular Formula: C₂₄H₁₃F₃₉Sn

Molecular Weight: 1161.014

Accurate Mass: 1159.941642

Percentage Composition: C 24.83%; H 1.13%; F 63.82%; Sn 10.22%

Source/Synthesis: Synth. from the corresp. bromide + LiAlH₄ in Et₂O

Use/Importance: Initiator for free radical reductions and carbonylations

Physical Description: Clear liq.

Other Data: May be purified by vacuum distillation

References:

Curran, D.P. *et al.*, *J.A.C.S.*, 1996, **118**, 2531-2532, (*synth, use, redn*)

Hadida, S. *et al.*, *J.A.C.S.*, 1997, **119**, 7406-7407, (*use, redn*)

Ryu, I. *et al.*, *Tet. Lett.*, 1997, **38**, 7883-7886, (*use, carbonylation*)