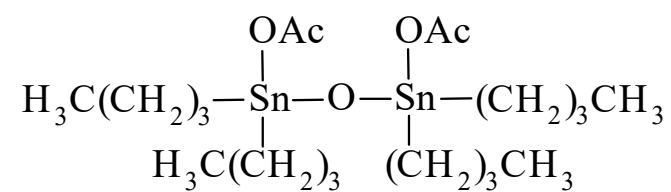




>>Entry Name: **1,3-Diacetoxy-1,1,3,3-tetrabutyl-distannoxane**

Synonym(s): 1,3-Bis(acetyloxy)-1,1,3,3-tetrabutyl-distannoxane, 10CI. Oxybis[acetoxydibutyltin]. 1,3-Diacetato-1,1,3,3-tetrabutyl-distannoxane



CAS Registry Number: 5967-09-9

Molecular Formula: $\text{C}_{20}\text{H}_{42}\text{O}_5\text{Sn}_2$

Molecular Weight: 599.969

Accurate Mass: 598.107625

Percentage Composition: C 40.04%; H 7.06%; O 13.33%; Sn 39.57%

General Statement: Dimeric in solid state, dissoc. in soln.

Use/Importance: Catalyst for prepn. of dialkylcarbonates from CO_2 and propylene

Aldrich: 17621-4

Other: Gelest SND2600

>>Derivative: Dimer

CAS Registry Number: 17068-56-3

Molecular Formula: $\text{C}_{40}\text{H}_{84}\text{O}_{10}\text{Sn}_4$

Molecular Weight: 1199.938

Accurate Mass: 1196.21525

Percentage Composition: C 40.04%; H 7.06%; O 13.33%; Sn 39.57%

Source/Synthesis: Synth. from diallyldibutylstannane and HOAc in moist MeOH

Physical Description: White cryst. (Me_2CO)

Melting Point: Mp 56-60°

Solubility: Sol. org. solvs.

References:

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Maeda, Y. *et al.*, *J. Organomet. Chem.*, 1967, **10**, 247

Davies, A.G. *et al.*, *J. Organomet. Chem.*, 1971, **29**, 245, (nmr, Mössbauer)

Peruzzo, V. *et al.*, *J. Organomet. Chem.*, 1974, **66**, 437, (synth)

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