



>>Entry Name: Tetrakis(acetato-*O,O'*)tin, 10Cl

Synonym(s): Tin(IV) acetate. Tin tetraacetate. Tetraacetoxytin. Tetraacetoxystannane. Acetic acid, tin(4+) salt (4:1)

CAS Registry Number: 2800-96-6

Related CAS Registry Numbers(s): 69475-44-1

Sn(OAc)₄

Molecular Formula: C₈H₁₂O₈Sn

Molecular Weight: 354.888

Accurate Mass: 353.95542

Percentage Composition: C 27.08%; H 3.41%; O 36.07%; Sn 33.45%

Source/Synthesis: Synth. e.g. from Sn + Cu(OAc)₂ in Ac₂O, or from SnPh₄ in HOAc, or from (H₂C=CH)₂Sn(OOCCF₃)₂, HOAc and Ac₂O

Physical Description: White hygroscopic needles (HOAc/Ac₂O)

Melting Point: Mp 227-228°

Aldrich: 34517-2

References:

Rosenberg, S.D. *et al.*, *J.A.C.S.*, 1955, **79**, 2138, (*synth*)

Garner, C.D. *et al.*, *J.C.S. Dalton*, 1975, 562, (*synth*)

Alcock, N.W. *et al.*, *Acta Cryst. B*, 1979, **35**, 80, (*cryst struct*)

Morton, J.R. *et al.*, *J. Phys. Chem.*, 1979, **83**, 853

Wakeshima, I. *et al.*, *Chem. Lett.*, 1985, 395, (*synth*)

Blunden, S.J. *et al.*, *Inorg. Chim. Acta*, 1986, **116**, L31, (*Mössbauer, Sn-119 nmr*)

Straughan, B.P. *et al.*, *Spectrochim. Acta A*, 1986, **42**, 451, (*ir, Raman*)

Sawyer, A.K. *et al.*, *Synth. React. Inorg. Met.-Org. Chem.*, 1989, **19**, 969, (*synth*)