



>>Entry Name: Lead(II) acetate

Synonym(s): Lead diacetate. Diacetatolead

CAS Registry Number: 301-04-2

Related CAS Registry Numbers(s): 15347-57-6

$\text{Pb}(\text{OAc})_2$

Molecular Formula: $\text{C}_4\text{H}_6\text{O}_4\text{Pb}$

Molecular Weight: 325.289

Accurate Mass: 326.003237

Percentage Composition: C 14.77%; H 1.86%; O 19.67%; Pb 63.70%

Biological Use/Importance: Astringent

Physical Description: White cryst.

Solubility: V. sol. H_2O , glycine; v. sl. sol. EtOH

Other Data: Dec. at 75°

Hazard & Toxicity: Toxic

>>Derivative: Trihydrate

CAS Registry Number: 6080-56-4

Molecular Formula: $\text{C}_4\text{H}_{12}\text{O}_7\text{Pb}$

Molecular Weight: 379.335

Accurate Mass: 380.034932

Percentage Composition: C 12.67%; H 3.19%; O 29.52%; Pb 54.62%

Aldrich: 31651-2

Fluka: 15320

Sigma: L3396

Other: Gelest PBL6190

References:

Maciel, G.E. *et al.*, *J.A.C.S.*, 1973, **95**, 3039, (*Pb-207 nmr*)

Kharitonova, R.I. *et al.*, *Zh. Neorg. Khim.*, 1975, **20**, 1823, (*synth*)

Gerbelev, N.V. *et al.*, *Zh. Neorg. Khim.*, 1984, **29**, 1450, (*ms*)

Baraldi, P. *et al.*, *Spectrochim. Acta A*, 1987, **37**, 141, (*ir*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, LCV000