



>>Entry Name: Lead(II) selenite

Synonym(s): Selenious acid lead salt

CAS Registry Number: 7488-51-9

Related CAS Registry Numbers(s): 16477-99-9

PbSeO₃

Molecular Formula: O₃PbSe

Molecular Weight: 334.158

Accurate Mass: 335.877892

Percentage Composition: O 14.36%; Pb 62.01%; Se 23.63%

Source/Synthesis: Prepd. from Pb²⁽⁺⁾ + SeO₃²⁽⁻⁾

Physical Description: White cryst. powder

Solubility: Insol. H₂O, EtOH

Aldrich: 43585-6

>>Variant: Mineral-form

Synonym(s): Molybdomenite

CAS Registry Number: 16477-99-9

Molecular Formula: O₃PbSe

Molecular Weight: 334.158

Accurate Mass: 335.877892

Percentage Composition: O 14.36%; Pb 62.01%; Se 23.63%

Source/Synthesis: Occurs associated with chalcomenite in Argentina and Germany

Physical Description: Colourless to yellowish white cryst.

References:

Markovski, L.Yu. *et al.*, *Russ. J. Inorg. Chem. (Engl. Transl.)*, 1960, **5**, 1283, (*synth, props*)

Selinanova, N.M. *et al.*, *CA*, 1964, **60**, 1181a, (*thermodyn*)

Goni, J. *et al.*, *Can. Mineral.*, 1965, **8**, 149, (*mineral*)

Fischer, R., *Tschermaks Mineral. Petrogr. Mitt.*, 1972, **17**, 196; *CA*, **77**, 25855k, (*cryst struct, molybdomenite*)

Kostenlinna, M. *et al.*, *Cryst. Struct. Commun.*, 1977, **6**, 813, (*cryst struct*)