



>>Entry Name: Lead(II) iodide (PbI₂)

Synonym(s): Lead diiodide

CAS Registry Number: 10101-63-0

PbI₂

Molecular Formula: I₂Pb

Molecular Weight: 461.009

Accurate Mass: 461.785573

Percentage Composition: I 55.06%; Pb 44.94%

Physical Description: Light-sensitive yellow hexagonal powder

Melting Point: Mp 402°

Solubility: Sol. H₂O, alkali, KI; insol. EtOH

Other Data: Dec. at 954°

Hazard & Toxicity: Poisonous

Aldrich: 21116-8

Fluka: 15329

References:

Bostrup, O., *Dan. Kemi*, 1981, **62**, 320, (*synth*)

Berny, J. *et al.*, *J. Solid State Chem.*, 1983, **46**, 41, (*Mössbauer*)

Palosz, B., *Phys. Status Solidi A*, 1983, **80**, 11, (*rev, struct*)

Palosz, B. *et al.*, *Acta Cryst. C*, 1985, **41**, 1407, (*struct*)