



>>Entry Name: Indium(I) iodide (InI)

CAS Registry Number: 13966-94-4

InI

Molecular Formula: InI

Molecular Weight: 241.725

Accurate Mass: 241.808353

Percentage Composition: I 52.50%; In 47.50%

Source/Synthesis: Synth. from In + InI₃ or from In[InI₄] and Et₂O

Physical Description: Red plates

Melting Point: Mp 365°

Solubility: Spar. sol. Et₂O

Aldrich: 41365-8

Fluka: 57125

References:

Jones, R.E. *et al.*, *Acta Cryst.*, 1955, **8**, 847, (*cryst struct*)

Peretti, E.A., *J.A.C.S.*, 1956, **78**, 5745, (*phase diagram*)

Schenk, B. *et al.*, *Z. Naturforsch., A*, 1970, **25**, 1827, (*microwave*)

Brauer, G., *Handbuch Prep. Anorg. Chem.*, 3rd edn., Ferdinand Enke Verlag, 1975, **2**, 870, (*synth*)

Freeland, B.H. *et al.*, *Inorg. Chem.*, 1976, **15**, 475, (*synth*)

Freeland, B.H. *et al.*, *Can. J. Chem.*, 1977, **55**, 1527, (*esca*)

Ichikawa, K. *et al.*, *J. Phys. Chem. Solids*, 1979, **40**, 249, (*ir*)

Radloff, P.L. *et al.*, *J. Chem. Phys.*, 1980, **72**, 992, (*Raman*)

Ichikawa, K. *et al.*, *J.C.S. Faraday 1*, 1980, **76**, 291, (*Raman*)