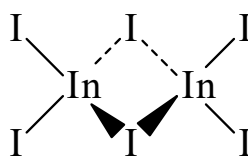




>>Entry Name: Indium(III) iodide (InI₃)

Synonym(s): Indium triiodide



solid-state struct.

CAS Registry Number: 13510-35-5

Molecular Formula: I₃In

Molecular Weight: 495.534

Accurate Mass: 495.617299

Percentage Composition: I 76.83%; In 23.17%

Source/Synthesis: Synth. from In + I₂ in Et₂O or xylene

Use/Importance: Starting material for synth. of ternary iodides, iodo complexes and organometallics. Commercially available

Physical Description: Yellow moisture-sensitive plates (xylene)

Melting Point: Mp 207°

Boiling Point: Bp_{0.01} 120-130°

Solubility: Sol. C₆H₆, CHCl₃, Et₂O

Aldrich: 41366-6

Fluka: 57127

>>Derivative: Dimer

Synonym(s): Di-μ-iodotetraiododiindium(III). Indium iodide (In₂I₆)

Molecular Formula: I₆In₂

Molecular Weight: 991.067

Accurate Mass: 991.234598

Percentage Composition: I 76.83%; In 23.17%

References:

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