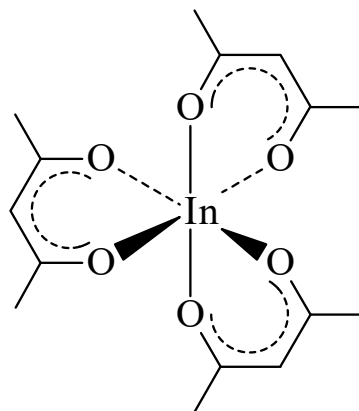




>>Entry Name: Tris(2,4-pentanedionato-*O,O'*)indium

Synonym(s): Tris(acetylacetonato)indium(III). Indium(III) acetylacetonate



CAS Registry Number: 14405-45-9

Molecular Formula: C₁₅H₂₁InO₆

Molecular Weight: 412.147

Accurate Mass: 412.037695

Percentage Composition: C 43.71%; H 5.14%; In 27.86%; O 23.29%

Source/Synthesis: Synth. from In(NO₃)₃ aq., 2,4-pentanedione and NH₃

Use/Importance: Substrate for synth. of In₂O₃ by CVD

Physical Description: White cryst. (Me₂CO)

Melting Point: Mp 186°

Solubility: Sol. MeOH, C₆H₆, CHCl₃, MeNO₂, Me₂CO; almost insol. H₂O

Other Data: ΔH_f° -1405.7 kJ mol⁻¹. Many related compds. also descr.

Hazard & Toxicity: LD₅₀ (mus, ivn) 79 mg/kg

Aldrich: I-330-0

Rare Chemicals Library: S37235-8

Other: Gelest AKI370

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