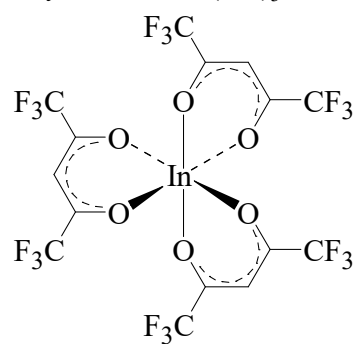




>>Entry Name: Tris(1,1,1-trifluoro-2,4-pentanedionato-*O,O'*)indium

Synonym(s): Tris(trifluoroacetylacetonato)indium. Indium trifluoroacetylacetonate. In(tfac)₃



CAS Registry Number: 15453-87-9

Molecular Formula: C₁₅H₁₂F₉InO₆

Molecular Weight: 574.062

Accurate Mass: 573.952897

Percentage Composition: C 31.38%; H 2.11%; F 29.79%; In 20.00%; O 16.72%

Other: Gelest AKI375

>>Variant: *trans*-form

CAS Registry Number: 67112-93-0

Molecular Formula: C₁₅H₁₂F₉InO₆

Molecular Weight: 574.062

Accurate Mass: 573.952897

Percentage Composition: C 31.38%; H 2.11%; F 29.79%; In 20.00%; O 16.72%

Source/Synthesis: Synth. from InCl₃ + the diketone

Physical Description: Ivory cryst.

Melting Point: Mp 118-119°

References:

Fay, R.C. *et al.*, *J.A.C.S.*, 1963, **85**, 500-504, (*synth, pmr, F-19 nmr*)

Charalambous, J. *et al.*, *Inorg. Chim. Acta*, 1977, **22**, 101-105, (*ms*)

Lisoivan, V.I. *et al.*, *Zh. Neorg. Khim.*, 1986, **31**, 2539-2541; *CA*, **105**, 236213j, (*cryst struct*)