



>>Entry Name: Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)aluminium, 9CI

Synonym(s): Tris(dipivaloylmethanato)aluminium

CAS Registry Number: 14319-08-5

Molecular Formula: $C_{33}H_{57}AlO_6$

Molecular Weight: 576.791

Accurate Mass: 576.397054

Percentage Composition: C 68.72%; H 9.96%; Al 4.68%; O 16.64%

Source/Synthesis: Synth. from $AlCl_3$ + the diketone

Physical Description: Needles (EtOH)

Melting Point: Mp 264-265°

Boiling Point: Subl._{0.02} 75°

Other: Gelest AKA085

References:

Hammond, G.S. *et al.*, *Inorg. Chem.*, 1963, **2**, 73-76, (*synth*)

Linck, R.G. *et al.*, *Inorg. Chem.*, 1966, **5**, 806-813, (*pmr*)

Schildcrout, S.M., *Inorg. Chem.*, 1980, **19**, 224-227, (*ms*)