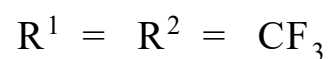
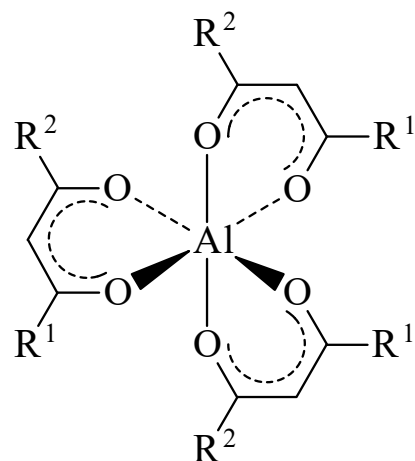




>>Entry Name: Tris(1,1,1,5,5,5-hexafluoro-2,4-pentanedionato-*O,O'*)aluminium

Synonym(s): Tris(hexafluoroacetylacetonato)aluminium



CAS Registry Number: 15306-18-0

Molecular Formula: C₁₅H₃AlF₁₈O₆

Molecular Weight: 648.138

Accurate Mass: 647.945758

Percentage Composition: C 27.80%; H 0.47%; Al 4.16%; F 52.76%; O 14.81%

Source/Synthesis: Synth. from AlCl₃ + CF₃COCH₂COCF₃

Physical Description: White, moisture sensitive cryst. (CCl₄)

Melting Point: Mp 73-74°

Boiling Point: Bp_{0.05} 45°

Solubility: Insol. H₂O; sol. CCl₄, cyclohexane, C₆H₆

Other Data: λ_{max} 307 nm. Several similar compds. descr.

Other: Gelest AKA063

References:

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Reichert, C. *et al.*, *Can. J. Chem.*, 1970, **48**, 1362, (*ms*)
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Fontaine, R. *et al.*, *J. Chromatogr.*, 1975, **104**, 1, (*chromatog*)
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Pickering, M. *et al.*, *J.A.C.S.*, 1976, **98**, 4503, (*similar compds*)