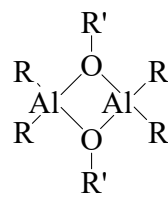




>>Entry Name: Isopropoxydimethylaluminium, 8CI

Synonym(s): Dimethylaluminium isopropoxide



dimer

R = Me, R' = CHMe₂

CAS Registry Number: 6063-89-4

Molecular Formula: C₅H₁₃AlO

Molecular Weight: 116.139

Accurate Mass: 116.078179

Percentage Composition: C 51.71%; H 11.28%; Al 23.23%; O 13.78%

>>Derivative: Dimer

Synonym(s): Di-μ-isopropoxytetramethyldialuminium

CAS Registry Number: 146190-55-8

Molecular Formula: C₁₀H₂₆Al₂O₂

Molecular Weight: 232.277

Accurate Mass: 232.156358

Percentage Composition: C 51.71%; H 11.28%; Al 23.23%; O 13.78%

Source/Synthesis: Synth. from a fused mixt. of Al₂Me₆ + Al(PrⁱO)₃, or from Al₂Me₆ + PrⁱOH in hexane at r.t. for 1 h

Physical Description: Colourless liq.

Boiling Point: Bp 186°

References:

Mole, T., *Aust. J. Chem.*, 1966, **19**, 373, (*synth*)

Jeffery, E.A. *et al.*, *Aust. J. Chem.*, 1968, **21**, 649, (*pmr*)

Rogers, J.H. *et al.*, *J.C.S. Dalton*, 1992, 3179-3187, (*synth, ms, pmr, cmr, O-17 nmr, Al-27 nmr*)