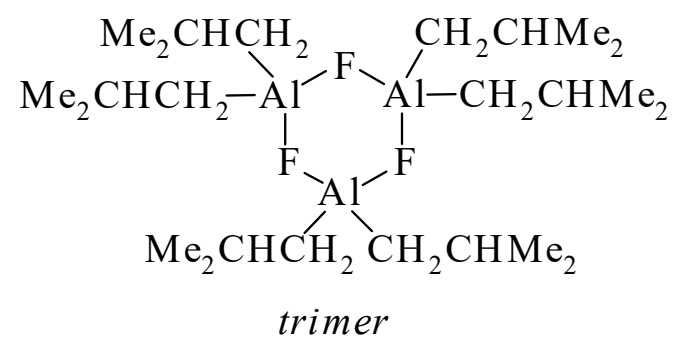




>>Entry Name: Fluorodiisobutylaluminium

Synonym(s): Fluorobis(2-methylpropyl)aluminium. Fluorodiisobutylalane. Diisobutylaluminium fluoride



CAS Registry Number: 675-15-0

Molecular Formula: C₈H₁₈AlF

Molecular Weight: 160.21

Accurate Mass: 160.120792

Percentage Composition: C 59.98%; H 11.32%; Al 16.84%; F 11.86%

General Statement: Trimeric

Aldrich: 41717-3

>>Derivative: Trimer

Synonym(s): Tri-μ-fluorohexakis(2-methylpropyl)trialuminium. Tri-μ-fluorohexaisobutyltrialuminium, 8Cl

CAS Registry Number: 26319-37-9

Molecular Formula: C₂₄H₅₄Al₃F₃

Molecular Weight: 480.63

Accurate Mass: 480.362376

Percentage Composition: C 59.98%; H 11.32%; Al 16.84%; F 11.86%

Source/Synthesis: Synth. from Buⁱ₂AlCl and NaF in xylene

Physical Description: Moisture-sensitive colourless, sl. viscous liq.

Boiling Point: Bp_{0.15} 126-127° (lit. gives a pressure range)

References:

Ziegler, K. *et al.*, *Annalen*, 1957, **608**, 1, (*synth*)

Kreig, V. *et al.*, *J. Organomet. Chem.*, 1970, **21**, 281, (*ir, Raman*)