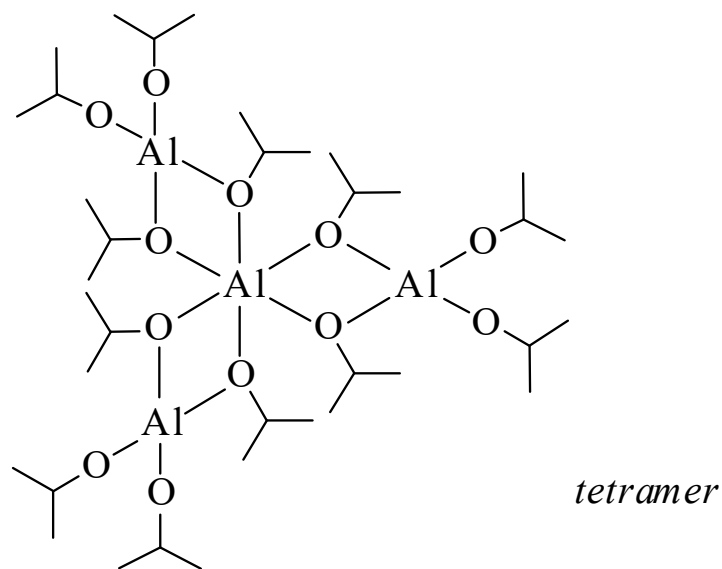




>>Entry Name: Aluminium isopropoxide

Synonym(s): 2-Propanol aluminium salt, 9Cl. Isopropyl alcohol aluminium salt, 8Cl



CAS Registry Number: 555-31-7

Molecular Formula: $C_9H_{21}AlO_3$

Molecular Weight: 204.245

Accurate Mass: 204.130609

Percentage Composition: C 52.93%; H 10.36%; Al 13.21%; O 23.50%

Use/Importance: Reagent for Meerwein-Ponndorf reactions, alcoholysis and ester exchange, synth. of higher alkoxides, chelates and acylates

Physical Description: Trimeric liq. which slowly solidifies to a tetrameric white solid

Melting Point: Mp 118°

Boiling Point: Bp₅ 145-150°

Other Data: Compd. with Mo-acetate also descr.

Hazard & Toxicity: LD₅₀ (rat, oral) 11300 mg/kg

Aldrich: 22041-8

Fluka: 6251

Sigma: A4399

Other: Gelest AKA070

References:

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