



>>Entry Name: Lithium isopropoxide

Synonym(s): 2-Propanol lithium salt, 9CI. Isopropoxylithium

CAS Registry Number: 2388-10-5

LiOCHMe₂

Molecular Formula: C₃H₇LiO

Molecular Weight: 66.029

Accurate Mass: 66.065693

Percentage Composition: C 54.57%; H 10.69%; Li 10.51%; O 24.23%

Source/Synthesis: Synth. from Li + excess 2-propanol at r.t.

Use/Importance: Useful as a polym. catalyst

Physical Description: Moisture-sensitive cryst.

Boiling Point: Subl._{0.05} 100-150°

Solubility: Sol. Et₂OH, C₆H₆, toluene, hexane, CCl₄

Other Data: Dec. at 130°. ΔH_f° -499.3 kJ mol⁻¹. Associates in cyclohexane or C₆H₆

References:

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