

SPECIFICATION

Lithium Tert-Butoxide

Parameters	Specification
CAS Number	1907-33-1
Appearance	White crystalline solid
Molecular Formula	C ₄ H ₉ LiO
Molecular Weight	80.05 g/mol
Boiling Point	125 °C
Melting Point	59 °C
Flash Point	92 °C
Purity	98–99%
Refractive Index	1.43
Solubility	Soluble in diethyl ether and THF; insoluble in water
Uses	Strong non-nucleophilic base used for deprotonation of weak C-H bonds and as a reagent in organic synthesis; common in formation of organolithium reagents and as a polymerization initiator

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