



>>Entry Name: Lithium methoxide

Synonym(s): Methanol lithium salt, 8CI

CAS Registry Number: 865-34-9

LiOMe

Molecular Formula: CH₃LiO

Molecular Weight: 37.975

Accurate Mass: 38.034393

Percentage Composition: C 31.63%; H 7.96%; Li 18.28%; O 42.13%

Source/Synthesis: Prepared by dissolution of Li in anhydrous MeOH

Physical Description: Moisture sensitive white solid; reacts with water to form LiOH and MeOH

Solubility: Sol. alcohols

Hazard & Toxicity: Flammable

Aldrich: 40879-4

Fluka: 62563

Other: Gelest AKL460

References:

Kecki, Z. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1963, **37**, 881; *CA*, 1964, **60**, 7592b, (*Raman, pmr*)

Simonov, A.P. *et al.*, *Opt. Spektrosk.*, 1964, **17**, 848; *CA*, 1965, **62**, 11303h, (*ir, struct*)

Conrad, W. *et al.*, *J.O.C.*, 1965, **30**, 3498, (*props*)