



>>Entry Name: Aluminium methoxide

Synonym(s): Methanol aluminium salt, 9Cl. Trimethoxyaluminium

CAS Registry Number: 865-31-6

Al(OMe)_3

Molecular Formula: $\text{C}_3\text{H}_9\text{AlO}_3$

Molecular Weight: 120.084

Accurate Mass: 120.036709

Percentage Composition: C 30.01%; H 7.55%; Al 22.47%; O 39.97%

General Statement: Polymeric with a bayerite-type struct.

Source/Synthesis: Synth. from AlCl_3 + LiOMe in boiling MeOH

Physical Description: White powder

References:

Teichner, S., *C. R. Hebd. Seances Acad. Sci.*, 1953, **237**, 810-812, (*synth*)

Scholder, R. *et al.*, *Z. Anorg. Allg. Chem.*, 1965, **340**, 23-33, (*synth*)

Rogova, T.V. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1985, **285**, 896-901; *CA*, **105**, 143886r, (*cryst struct*)