



>>Entry Name: 1,1-Bis(benzyloxy)trimethylamine, 8Cl

Synonym(s): 1,1-Bis(phenylmethoxy)-*N,N*-dimethylmethanamine, 9Cl. *N,N*-Dimethylformamide dibenzyl acetal

CAS Registry Number: 2016-04-8

Me₂NCH(OCH₂Ph)₂

Molecular Formula: C₁₇H₂₁NO₂

Molecular Weight: 271.358

Accurate Mass: 271.157229

Percentage Composition: C 75.25%; H 7.80%; N 5.16%; O 11.79%

Use/Importance: Benzylating agent, e.g. for nucleosides

Boiling Point: Bp_{0.2} 118-120°. Bp_{0.04} 131-132°

Refractive Index: n_D¹⁸ 1.5403

Aldrich: 43377-2

Fluka: 40260

References:

Arnold, Z. *et al.*, *Coll. Czech. Chem. Comm.*, 1964, **29**, 645-651, (*synth*)

Kornilov, M.Y. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1964, **34**, 703-704, (*synth*)

Brechbühler, H. *et al.*, *Helv. Chim. Acta*, 1965, **48**, 1746-1771, (*synth, use, pmr, ir*)

Philips, K.D. *et al.*, *J.O.C.*, 1975, **40**, 1856-1858, (*use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1977, **6**, 221, (*use*)