



>>Entry Name: Dimethyl(dipropoxymethyl)amine

Synonym(s): *N,N*-Dimethyl-1,1-dipropoxymethanamine, 9CI. 1,1-Dipropoxytrimethylamine, 8CI. Dimethylformamide dipropyl acetal

CAS Registry Number: 6006-65-1

Type of Compound Code(s): PG5520 PG5300 PS7600

$(\text{H}_3\text{CCH}_2\text{CH}_2\text{O})_2\text{CHNMe}_2$

Molecular Formula: $\text{C}_9\text{H}_{21}\text{NO}_2$

Molecular Weight: 175.27

Accurate Mass: 175.157229

Percentage Composition: C 61.68%; H 12.08%; N 7.99%; O 18.26%

Use/Importance: Alkylating reagent used for derivatisation of fatty acids and amino acids for gc anal.

Physical Description: Oil

Boiling Point: Bp 173-175°. Bp₁₂ 57-59°

Refractive Index: n_{D}^{20} 1.4089

Aldrich: 17852-7

Fluka: 40283

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 529B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 329C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 419B, (*ir*)

Bredereck, H. *et al.*, *Chem. Ber.*, 1968, **101**, 41, (*synth*)

Thenot, J.P. *et al.*, *Anal. Lett.*, 1972, **5**, 217; 519, (*use*)

Kantlehner, W. *et al.*, *Chem. Ber.*, 1972, **105**, 1340, (*synth*)