



>>Entry Name: **1,1-Di-*tert*-butoxytrimethylamine**, 8Cl

Synonym(s): *N,N*-Dimethyl-1,1-bis(1,1-dimethylethoxy)methanamine, 9Cl. Dimethylformamide di-*tert*-butyl acetal

CAS Registry Number: 36805-97-7

$[(\text{H}_3\text{C})_3\text{CO}]_2\text{CHNMe}_2$

Molecular Formula: $\text{C}_{11}\text{H}_{25}\text{NO}_2$

Molecular Weight: 203.324

Accurate Mass: 203.188529

Percentage Composition: C 64.98%; H 12.39%; N 6.89%; O 15.74%

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

Physical Description: Oil

Boiling Point: Bp_{25} 75-78°. Bp_8 56-57°

Refractive Index: n_{D}^{20} 1.4140

Aldrich: 39500-5

Fluka: 40263

Sigma: D1671

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 530A, (*nmr*)

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

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

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

Mohacsi, E., *Synth. Commun.*, 1985, **15**, 723, (*synth*)