



Aldrich: M2800-6
Fluka: 65610

>>**Derivative:** *N,N*-Di-Me, oxime

CAS Registry Number: 5929-11-3
Molecular Formula: C₄H₁₀N₂O
Molecular Weight: 102.136
Accurate Mass: 102.079313
Percentage Composition: C 47.04%; H 9.87%; N 27.43%; O 15.66%
Boiling Point: Bp_{18.5} 105-106° (lit. gives a pressure range)

>>**Derivative:** *N,N*-Di-Me, oxime; hydrochloride

Melting Point: Mp 92-93°

>>**Derivative:** *N,N*-Di-Me, di-Me acetal
Synonym(s): 2,2-Dimethoxy-*N,N*-dimethylethylamine

CAS Registry Number: 38711-20-5
Molecular Formula: C₆H₁₅NO₂
Molecular Weight: 133.19
Accurate Mass: 133.110279
Percentage Composition: C 54.11%; H 11.35%; N 10.52%; O 24.02%
Boiling Point: Bp₁₁₂ 80-81°
Refractive Index: n_D²⁰ 1.4085

>>**Derivative:** *N,N*-Di-Me, di-Et acetal
Synonym(s): 2,2-Diethoxy-*N,N*-dimethylethylamine

CAS Registry Number: 3616-56-6
Molecular Formula: C₈H₁₉NO₂
Molecular Weight: 161.244
Accurate Mass: 161.141579
Percentage Composition: C 59.59%; H 11.88%; N 8.69%; O 19.85%
Boiling Point: Bp 170°
Refractive Index: n_D²⁰ 1.4129
Aldrich: D13880-0

>>**Derivative:** *N,N*-Di-Et, di-Et acetal
Synonym(s): 1,1-Diethoxy-2-(diethylamino)ethane. 2,2-Diethoxytriethylamine

CAS Registry Number: 3616-57-7
Molecular Formula: C₁₀H₂₃NO₂
Molecular Weight: 189.297
Accurate Mass: 189.172879
Percentage Composition: C 63.45%; H 12.25%; N 7.40%; O 16.90%
Boiling Point: Bp 194-195°. Bp₁₅ 78-80°
Aldrich: D8580-2

References:

- Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **1**, 531B; 531C; 532B; 532C; 533A, (*nmr*)
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 330D; 331A; 331B; 331C, (*ir*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 420C; 420D; 421B; 421C; 421D, (*acetals*)
Fischer, E., *Ber.*, 1893, **26**, 465; 1908, **41**, 1021, (*synth*)
Curtius, T.J., *J. Prakt. Chem.*, 1917, **95**, 212
Buck, J.S. *et al.*, *J.A.C.S.*, 1929, **51**, 3612, (*di-Et acetal*)
Org. Synth., 1944, **24**, 3, (*di-Et acetal*)
Richmond, H.H. *et al.*, *Can. J. Res., Sect. B*, 1945, **23**, 158, (*di-Et acetal*)
Woodward, R.B. *et al.*, *J.A.C.S.*, 1945, **67**, 860, (*di-Et acetal*)
Jones, R.G. *et al.*, *J.A.C.S.*, 1949, **71**, 4000
Lawson, J.K., *J.A.C.S.*, 1953, **75**, 3398, (*di-Me acetal*)
Biel, J.H. *et al.*, *J.A.C.S.*, 1960, **82**, 2204, (*deriv*)
Fischer, F. *et al.*, *J. Prakt. Chem.*, 1961, **12**, 177
Julia, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1965, 2175, (*derivs*)
Clark, P.I. *et al.*, *Biochemistry*, 1977, **16**, 4890, (*biochem, N-benzoyl*)