



>>Entry Name: **2,2'-Oxybisethanamine**, 9CI

Synonym(s): 2,2'-Oxybisethylamine, 8CI. Di(2-aminoethyl) ether. 2,2'-Diaminodiethyl ether. Bis(2-aminoethyl)ether. 3-Oxa-1,5-pentanediamine. 1,5-Diamino-3-oxapentane

CAS Registry Number: 2752-17-2

H2NCH2CH2OCH2CH2NH2

Molecular Formula: C₄H₁₂N₂O

Molecular Weight: 104.152

Accurate Mass: 104.094963

Percentage Composition: C 46.13%; H 11.61%; N 26.90%; O 15.36%

Physical Description: Oil

Boiling Point: Bp 184°. Bp₁ 90°

Hazard & Toxicity: Reported synth. via the diazide resulted in explosion. Other syntheses are exothermic

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 60792-79-2

Melting Point: Mp 233-234° (226-227°)

Aldrich: 17609-5

Fluka: 75961

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

Synonym(s): 2,2'-Oxybis[*N*-methylethanamine], 9CI. Niax A1. Niax A99

CAS Registry Number: 2620-27-1

Molecular Formula: C₆H₁₆N₂O

Molecular Weight: 132.205

Accurate Mass: 132.126263

Percentage Composition: C 54.51%; H 12.20%; N 21.19%; O 12.10%

Physical Description: Liq.

Boiling Point: Bp 180-182°

>>Derivative: *N,N'*-Di-Me; picrate (1:2)

Physical Description: Cryst. (H₂O)

Melting Point: Mp 87°

>>Derivative: *N,N'*-Di-Et

Synonym(s): 2,2'-Oxybis[*N*-ethylethanamine], 9CI

CAS Registry Number: 90716-96-4

Molecular Formula: C₈H₂₀N₂O

Molecular Weight: 160.259

Accurate Mass: 160.157563

Percentage Composition: C 59.96%; H 12.58%; N 17.48%; O 9.98%

Physical Description: Liq.

Boiling Point: Bp 204°

>>Derivative: *N,N,N',N'*-Tetra-Me

Synonym(s): 2,2'-Oxybis[*N,N*-dimethylethanamine], 9CI. Kalpur PC

CAS Registry Number: 3033-62-3

Molecular Formula: C₈H₂₀N₂O

Molecular Weight: 160.259

Accurate Mass: 160.157563

Percentage Composition: C 59.96%; H 12.58%; N 17.48%; O 9.98%

Physical Description: Liq.

Boiling Point: Bp₁₅ 79-81°

Hazard & Toxicity: Severe eye and skin irritant. LD₅₀ (rat, orl) 1070 mg/kg; LD₅₀ (rbt, skn) 280 mg/kg

Aldrich: 42457-9

Rare Chemicals Library: S45239-4