



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

**Synonym(s):** 2,2'-Oxybisethylamine, 8Cl. 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:** C<sub>4</sub>H<sub>12</sub>N<sub>2</sub>O

**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°. Bp<sub>1</sub> 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], 9Cl. Niax A1. Niax A99

**CAS Registry Number:** 2620-27-1

**Molecular Formula:** C<sub>6</sub>H<sub>16</sub>N<sub>2</sub>O

**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. (H<sub>2</sub>O)

**Melting Point:** Mp 87°

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

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

**CAS Registry Number:** 90716-96-4

**Molecular Formula:** C<sub>8</sub>H<sub>20</sub>N<sub>2</sub>O

**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], 9Cl. Kalpur PC

**CAS Registry Number:** 3033-62-3

**Molecular Formula:** C<sub>8</sub>H<sub>20</sub>N<sub>2</sub>O

**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<sub>15</sub> 79-81°

**Hazard & Toxicity:** Severe eye and skin irritant. LD<sub>50</sub> (rat, orl) 1070 mg/kg; LD<sub>50</sub> (rbt, skn) 280 mg/kg

**Aldrich:** 42457-9

**Rare Chemicals Library:** S45239-4