



>>Entry Name: **1,2-Bis(2-aminoethoxy)ethane**

Synonym(s): 2,2'-[1,2-Ethanediy]bis(oxy)]bisethanamine, 9CI. 1,8-Diamino-3,6-dioxaoctane

CAS Registry Number: 929-59-9

$\text{H}_2\text{NCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{NH}_2$

Molecular Formula: $\text{C}_6\text{H}_{16}\text{N}_2\text{O}_2$

Molecular Weight: 148.205

Accurate Mass: 148.121178

Percentage Composition: C 48.63%; H 10.88%; N 18.90%; O 21.59%

Use/Importance: Reagent for prepn. of diazo-crown ethers

Physical Description: Liq.

Boiling Point: Bp_1 95°. $\text{Bp}_{0.2}$ 77-78°

Other Data: Hygroscopic

Aldrich: 38550-6

Fluka: 3739

References:

Dwyer, F.P. *et al.*, *J.A.C.S.*, 1953, **75**, 1526, (*synth*)

Dietrich, B. *et al.*, *Tetrahedron*, 1973, **29**, 1629, (*synth*, *pmr*)

Kulstad, S. *et al.*, *Acta Chem. Scand., Ser. B*, 1979, **33**, 469, (*synth*)

Gatto, V.J. *et al.*, *J.O.C.*, 1986, **51**, 5373, (*synth*)

Han, Y. *et al.*, *Synth. Commun.*, 1991, **21**, 79, (*synth*)