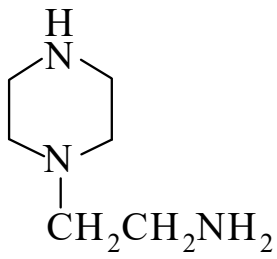
>>**Entry Name: 1-(2-Aminoethyl)piperazine,** 8CI
Synonym(s): 1-Piperazineethanamine, 9CI. AEP



CAS Registry Number: 140-31-8
Extra CAS Registry Numbers(s): 28631-79-0

Molecular Formula: $C_6H_{15}N_3$
Molecular Weight: 129.205
Accurate Mass: 129.126597
Percentage Composition: C 55.78%; H 11.70%; N 32.52%
Use/Importance: Epoxy-resin curing agent
Physical Description: Liq.
Melting Point: Mp –19°
Boiling Point: Bp 222° (220.4°)
Solubility: Misc. H_2O, EtOH, Et_2O
Density: d_{20}^{20} 0.985
Refractive Index: n_D^{20} 1.5000
Hazard & Toxicity: Skin and eye irritant. LD_{50} (rat, orl) 2140 mg/kg. LD_{50} (rbt, skn) 880 mg/kg. Exp. reprod. effects. Fl. p. 93° (oc)

Aldrich: A5520-9
Fluka: 6690

>>**Derivative:** *N*,*N*-Di-Me
Synonym(s): 1-(2-Dimethylaminoethyl)piperazine

CAS Registry Number: 3644-18-6
Molecular Formula: $C_8H_{19}N_3$
Molecular Weight: 157.258
Accurate Mass: 157.157897
Percentage Composition: C 61.10%; H 12.18%; N 26.72%
Physical Description: Liq.
Boiling Point: Bp_3 159-160°

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

CAS Registry Number: 20966-67-0
Physical Description: Cryst.
Melting Point: Mp 277-278°

>>**Derivative:** *N*,*N*-Di-Et
Synonym(s): 1-(2-Diethylaminoethyl)piperazine

CAS Registry Number: 4038-92-0
Molecular Formula: $C_{10}H_{23}N_3$
Molecular Weight: 185.312
Accurate Mass: 185.189197
Percentage Composition: C 64.82%; H 12.51%; N 22.68%
Physical Description: Liq.
Boiling Point: Bp_3 175°

>>**Derivative:** *N*,*N*-Di-Et; hydrochloride (1:2)

CAS Registry Number: 22764-50-7
Physical Description: Cryst.
Melting Point: Mp 260-261°

References: