>>**Entry Name: Bis(6-aminohexyl)amine**
Synonym(s): *N*-(6-Aminohexyl)-1,6-hexanediamine, 9Cl. 6,6'-Diaminodihexylamine, 8Cl. Bishexamethylenetriamine. 1,8,15-Triazapentadecane

CAS Registry Number: 143-23-7
$H_2N(CH_2)_6NH(CH_2)_6NH_2$

Molecular Formula: $C_{12}H_{29}N_3$
Molecular Weight: 215.381
Accurate Mass: 215.236147
Percentage Composition: C 66.92%; H 13.57%; N 19.51%
Use/Importance: Copolymer to increase cross-linking in polyamides
Physical Description: Cryst.
Melting Point: Mp 33-36°
Boiling Point: Bp_4 163-165°. Bp_1 132-134°
Other Data: Hygroscopic, rapidly absorbs atmospheric CO_2

Aldrich: 42196-0
Sigma: A4082

>>**Derivative:** Hydrochloride (1:3)

Physical Description: Cryst.
Melting Point: Mp 250° (dec.). Mp 300-301°

>>**Derivative:** Picrate (1:3)

Physical Description: Cryst. (EtOH)
Melting Point: Mp 150°

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

CAS Registry Number: 86018-07-7
Molecular Formula: $C_{15}H_{35}N_3$
Molecular Weight: 257.462
Accurate Mass: 257.283097
Percentage Composition: C 69.98%; H 13.70%; N 16.32%
Density: d 0.86
Refractive Index: n_D^{20} 1.4620
Other Data: Comly. available but props. poorly documented
Aldrich: 43170-2

References:

U.K. Pat., 1948, 597 253; *CA*, **42**, P4604i, *(synth)*
Freidlin, L.K. *et al.*, *Izv. Akad. Nauk SSSR, Otd. Khim. Nauk*, 1962, 336; *CA*, **57**, 11166c, *(synth)*
Titova, I.A. *et al.*, *Zh. Prikl. Khim. (Leningrad)*, 1972, **45**, 2054; *CA*, **78**, 52380d, *(synth)*
Levine, S. *et al.*, *J. Neuropathol. Exp. Neurol.*, 1982, **41**, 54, *(tri-N-Me)*
U.S. Pat., 1990, 4 906 783; *CA*, **113**, 60054g, *(synth, use)*