N-[(2-Aminoethyl)2-aminoethyl]piperazine

Other names: N-[(2-Aminoethyl)2-aminoethyl]piperazine
Inchi: InChI=1S/C8H20N4/c9-1-2-10-3-6-12-7-4-11-5-8-12/h10-11H,1-9H2
InchiKey: WBIWIXJUBVWKLS-UHFFFAOYSA-N
Formula: C8H20N4
SMILES: NCCNCCN1CCNCC1
Mol. weight [g/mol]: 172.28

Physical Properties

Property code	Value	Unit	Source
hvap	82.95	kJ/mol	Cheméo Relay (1.0)
logp	-1.560		Crippen Method
mcvol	152.640	ml/mol	McGowan Method
pc	2445.29	kPa	Cheméo Relay (1.0, beta)
tb	564.30	K	Cheméo Relay (1.0)
tc	778.71	K	Cheméo Relay (1.0)
tf	263.81	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C24028464&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hvap: Enthalpy of vaporization at standard conditions
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point