PIPERAZINE 1-[2-AMINOETHYL]-4-METHYL-

Other names:	1-(2-Aminoethyl)-4-methylpiperazine
	1-(2-aminoethyl)-4-methyl-piperazine
	1-Methyl-4-(2-aminoethyl)piperazine
	4-methylpiperazine-1-ethylamine
	Piperazine, 1-(2-aminoethyl)-4-methyl-
Inchi:	InChI=1S/C7H17N3/c1-9-4-6-10(3-2-8)7-5-9/h2-8H2,1H3
InchiKey:	GOWUDHPKGOIDIX-UHFFFAOYSA-N
Formula:	C7H17N3
SMILES:	CN1CCN(CCN)CC1
Mol. weight [g/mol]:	143.23

Physical Properties

Property code	Value	Unit	Source
hvap	60.51	kJ/mol	Cheméo Relay (1.0)
ie	8.72	eV	Cheméo Relay (1.0)
logp	-0.807		Crippen Method
mcvol	128.570	ml/mol	McGowan Method
tb	478.90	K	Cheméo Relay (1.0)
tc	684.98	K	Cheméo Relay (1.0)
tf	240.49	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	64.00	kJ/mol	298.15	Vapour pressure and enthalpy of vaporization of aliphatic poly-amines

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
Vapour pressure and enthalpy of vaporization of aliphatic poly-amines:	https://www.doi.org/10.1016/j.jct.2009.09.003
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C934985&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point