1,3-Propanediamine, N'-(ethylcarbonimidoyl)-N,N-dimethyl-

Other names: [3-(Dimethylamino)propyl]ethylcarbodiimide
N3-Ethyliminomethylene-N1,N1-dimethylpropane-1,3-diamine
N'-(ethylcarbonimidoyl)-N,N-dimethylpropane-1,3-diamine
Inchi: InChI=1S/C8H17N3/c1-4-9-8-10-6-5-7-11(2)3/h4-7H2,1-3H3
InchiKey: LMDZBCPBFSXMTL-UHFFFAOYSA-N
Formula: C8H17N3
SMILES: CCN=C=NCCCN(C)C
Mol. weight [g/mol]: 155.24
CAS: 1892-57-5

Physical Properties

Property code	Value	Unit	Source
hf	69.08	kJ/mol	Joback Method
hvap	42.55	kJ/mol	Joback Method
log10ws	-0.48		Crippen Method
logp	1.132		Crippen Method
mcvol	144.920	ml/mol	McGowan Method
pc	2147.32	kPa	Joback Method
tb	547.35	K	Joback Method
tc	749.47	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method: https://en.wikipedia.org/wiki/Joback_method
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1892575&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature