(CH3)2N(CH2)6N(CH3)2

Other names:	1,6-Bis(dimethylamino)hexane
	Hexamethylenebis(dimethylamine)
	N,N,N',N'-Tetramethyl-1,6-diaminohexane
	N,N,N',N'-Tetramethyl-1,6-hexanediamine
	N,N,N',N'-Tetramethylhexamethylenediamine
Inchi:	InChI=1S/C10H24N2/c1-11(2)9-7-5-6-8-10-12(3)4/h5-10H2,1-4H3
InchiKey:	TXXWBTOATXBWDR-UHFFFAOYSA-N
Formula:	C10H24N2
SMILES:	CN(C)CCCCCCN(C)C
Mol. weight [g/mol]:	172.32

Physical Properties

Property code	Value	Unit	Source
affp	1035.80	kJ/mol	NIST Webbook
basg	982.20	kJ/mol	NIST Webbook
hf	-130.74	kJ/mol	Cheméo Relay (1.0)
hfus	27.70	kJ/mol	Joback Method
hvap	56.71	kJ/mol	Cheméo Relay (1.0)
ie	7.62	eV	Cheméo Relay (1.0)
logp	1.670		Crippen Method
mcvol	171.720	ml/mol	McGowan Method
tb	482.70	K	NIST Webbook
tf	258.72	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	380.84	J/mol×K	453.08	Joback Method
cpg	397.52	J/mol×K	479.75	Joback Method
cpg	413.52	J/mol×K	506.41	Joback Method
cpg	428.85	J/mol×K	533.08	Joback Method
cpg	443.53	J/mol×K	559.75	Joback Method
cpg	457.59	J/mol×K	586.41	Joback Method
cpg	471.05	J/mol×K	613.08	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
CO2 Solubility Measurements and Modeling for Tertiary Diamines:	https://www.doi.org/10.1021/je500927h
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C111182&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

affp:	Proton affinity
basg:	Gas basicity
cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point