Diborane(4)tetramine, octamethyl-

Other names:	Diborane(4), tetrakis(dimethylamino)-
	Dimethylamine, N,N',N'',N'''-diborane(4)diylidenetetrakis-
	Tetrakis(dimethylamino)diborane(4)
	1,2-Tetrakis(dimethylamino)diborane(4)
	Tetrakis[dimethylamino]diborane
	1,1,2,2-Diborane(4)tetramine, N1,N1,N1',N1',N2,N2,N2',N2'-octamethyl-
Inchi:	InChI=1S/C8H24B2N4/c1-11(2)9(12(3)4)10(13(5)6)14(7)8/h1-8H3
InchiKey:	KMCDRSZVZMXKRL-UHFFFAOYSA-N
Formula:	C8H24B2N4
SMILES:	CN(C)B(B(N(C)C)N(C)C)N(C)C
Mol. weight [g/mol]:	197.93
CAS:	1630-79-1

Physical Properties

Property code	Value	Unit	Source
ie	7.58	eV	NIST Webbook
ie	7.30	eV	NIST Webbook
log10ws	5.04		Crippen Method
logp	-0.712		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	52.70	kJ/mol	352.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1630791&Units=SI

Legend

hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient