

Borane, compd. with dimethylamine (1:1)

Other names:	Boron, trihydro(N-methylmethanamine)-, (T-4)- Dimethylamine, compd. with borane (1:1) Dimethylamine borane Dimethylamine compound with borane (1:1) <chem>((CH3)2NH)(BH3)</chem> Borane-dimethylamine complex Borane-dimethylamine Boron hydride-dimethylamine Boron, (N-methylmethanamine)trihydro-, (T-4)- Methanamine, N-methyl-, compd. with borane (1:1) Boron, trihydro(N-methylmethanamine)- (Dimethylamine)trihydroboron Borane, compd. with N-methylmethanamine (1:1) NSC 10218 dimethylamine--borane (1:1)
Inchi:	InChI=1S/C2H10BN/c1-4(2)3/h4H,1-3H3
InchiKey:	RUOMFVPJBOADHA-UHFFFAOYSA-N
Formula:	C2H9BN
SMILES:	<chem>[BH2-][NH+](C)C</chem>
Mol. weight [g/mol]:	57.91
CAS:	74-94-2

Physical Properties

Property code	Value	Unit	Source
ie	9.39 ± 0.01	eV	NIST Webbook
log10ws	4.41		Crippen Method
logp	-2.321		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	77.40 ± 2.90	kJ/mol	290.50	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C74942&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/73-183-8/Borane-compd-with-dimethylamine-1-1.pdf>

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