

Dihydroxymethylborane

Inchi:	InChI=1S/CH5BO2/c1-2(3)4/h3-4H,1H3
InchiKey:	KTMKRRPZPWUYKK-UHFFFAOYSA-N
Formula:	CH5BO2
SMILES:	CB(O)O
Mol. weight [g/mol]:	59.86
CAS:	13061-96-6

Physical Properties

Property code	Value	Unit	Source
log10ws	2.56		Crippen Method
logp	-0.911		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	64.10	kJ/mol	327.50	NIST Webbook
hsubt	65.20	kJ/mol	318.00	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13061966&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

Latest version available from:

<https://www.cheméo.com/cid/42-664-8/Dihydroxymethylborane.pdf>

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