

Diboron tetrachloride

Inchi:	InChI=1S/B2Cl4/c3-1(4)2(5)6
InchiKey:	LCWVIHDXYOFGEG-UHFFFAOYSA-N
Formula:	B2Cl4
SMILES:	CIB(Cl)B(Cl)Cl
Mol. weight [g/mol]:	163.43
CAS:	13701-67-2

Physical Properties

Property code	Value	Unit	Source
ie	10.42 ± 0.02	eV	NIST Webbook
ie	10.32 ± 0.02	eV	NIST Webbook
log10ws	2.06		Crippen Method
logp	1.996		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13701672&Units=SI

Legend

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/31-502-9/Diboron-tetrachloride.pdf>

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