

Boron monochloride

Inchi:	InChI=1S/BCl/c1-2
InchiKey:	GKCOJTRGYAUVSR-UHFFFAOYSA-N
Formula:	BCl
SMILES:	[B]Cl
Mol. weight [g/mol]:	46.26
CAS:	20583-55-5

Physical Properties

Property code	Value	Unit	Source
ie	10.20	eV	NIST Webbook
ie	12.00 ± 1.00	eV	NIST Webbook
log10ws	1.87		Crippen Method
logp	0.309		Crippen Method

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=C20583555&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/42-062-6/Boron-monochloride.pdf>

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