

Boron

Inchi:	InChI=1S/B2/c1-2
InchiKey:	ZOCHARZZJNPSEU-UHFFFAOYSA-N
Formula:	B2
SMILES:	B#B
Mol. weight [g/mol]:	21.62
CAS:	14452-61-0

Physical Properties

Property code	Value	Unit	Source
ea	1.30 ± 0.40	eV	NIST Webbook
log10ws	4.86		Crippen Method
logp	-0.762		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14452610&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

ea:	Electron affinity
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/42-419-0/Boron.pdf>

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