

Boron nitride

Inchi:	InChI=1S/BN/c1-2
InchiKey:	PZNSFCLAULLKQX-UHFFFAOYSA-N
Formula:	BN
SMILES:	B#N
Mol. weight [g/mol]:	24.82
CAS:	10043-11-5

Physical Properties

Property code	Value	Unit	Source
ea	3.16 ± 0.01	eV	NIST Webbook
ea	2.90 ± 0.30	eV	NIST Webbook
log10ws	2.55		Crippen Method
logp	-0.366		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=C10043115&Units=SI

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/22-886-4/Boron-nitride.pdf>

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