

# boron carbide

**Inchi:** InChI=1S/CB4/c2-1-3(2)5(1)4(1)2  
**InchiKey:** INAHAJYZKVIDIZ-UHFFFAOYSA-N  
**Formula:** CB4  
**SMILES:** B12B3B4B1C234  
**Mol. weight [g/mol]:** 55.26  
**CAS:** 12069-32-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	9.21		Crippen Method
logp	-1.308		Crippen Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12069328&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/63-720-2/boron-carbide.pdf>

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