

# Dibromomethylene

**Inchi:** InChI=1S/CBr2/c2-1-3  
**InchiKey:** WNLFIUJNNYMFIZ-UHFFFAOYSA-N  
**Formula:** CBr2  
**SMILES:** Br[C]Br  
**Mol. weight [g/mol]:** 171.82  
**CAS:** 4371-77-1

## Physical Properties

Property code	Value	Unit	Source
ea	1.78 ± 0.10	eV	NIST Webbook
ea	1.93 ± 0.08	eV	NIST Webbook
ea	1.88 ± 0.07	eV	NIST Webbook
ie	10.11 ± 0.09	eV	NIST Webbook
log10ws	-1.65		Crippen Method
logp	1.772		Crippen Method
mcvol	55.650	ml/mol	McGowan Method

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C4371771&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

**ea:** Electron affinity  
**ie:** Ionization energy  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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