

# Chloromethylidyne

**Inchi:** InChI=1S/CCI/c1-2  
**InchiKey:** BBFYMZCRBPASGM-UHFFFAOYSA-N  
**Formula:** CCI  
**SMILES:** [C]Cl  
**Mol. weight [g/mol]:** 47.46  
**CAS:** 3889-76-7

## Physical Properties

Property code	Value	Unit	Source
ie	8.90 ± 0.20	eV	NIST Webbook
ie	12.90 ± 0.10	eV	NIST Webbook
log10ws	-0.39		Crippen Method
logp	0.771		Crippen Method
mcvol	30.740	ml/mol	McGowan Method

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C3889767&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/68-260-8/Chloromethylidyne.pdf>

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