

# CH<sub>2</sub>OH<sup>+</sup>

**Inchi:** InChI=1S/CH3O/c1-2/h2H,1H2/q+1  
**InchiKey:** NRCYHMDIJIHBJ-UHFFFAOYSA-N  
**Formula:** CH<sub>3</sub>O<sup>+</sup>  
**SMILES:** [CH<sub>4</sub><sup>+</sup>]O  
**Mol. weight [g/mol]:** 31.03  
**CAS:** 17691-31-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.09		Crippen Method
logp	0.459		Crippen Method
mcvol	32.970	ml/mol	McGowan Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C17691315&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)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## Legend

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

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