HCOH (hydroxymethylene)

Inchi: InChI=1S/CH2O/c1-2/h1-2H
InchiKey: UUOIGPDTLYBNGY-UHFFFAOYSA-N
Formula: CH2O
SMILES: [CH]O
Mol. weight [g/mol]: 30.03
CAS: 19710-56-6

Physical Properties

Property code	Value	Unit	Source
affp	965.90	kJ/mol	NIST Webbook
basg	933.40	kJ/mol	NIST Webbook
log10ws	0.58		Crippen Method
logp	0.027		Crippen Method
mcvol	26.520	ml/mol	McGowan Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: 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=C19710566&Units=SI

Legend

affp: Proton affinity
basg: Gas basicity
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

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