Methylidyne

Inchi: InChI=1S/CH/h1H
InchiKey: VRLIPUYDFBXWCH-UHFFFAOYSA-N
Formula: CH
SMILES: [CH]
Mol. weight [g/mol]: 13.02
CAS: 3315-37-5

Physical Properties

Property code	Value	Unit	Source
ea	1.26 ± 0.02	eV	NIST Webbook
ea	1.24 ± 0.01	eV	NIST Webbook
ea	0.74 ± 0.05	eV	NIST Webbook
ea	2.60 ± 0.30	eV	NIST Webbook
ie	10.64 ± 0.01	eV	NIST Webbook
ie	10.64	eV	NIST Webbook
ie	10.64 ± 0.01	eV	NIST Webbook
log10ws	0.25		Crippen Method
logp	0.204		Crippen Method
mcvol	18.500	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3315375&Units=SI
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

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