CH2=C

Inchi: InChI=1S/C2H2/c1-2/h1H2
InchiKey: SNVLJLYUUXKWOJ-UHFFFAOYSA-N
Formula: C2H2
SMILES: [C]=C
Mol. weight [g/mol]: 26.04
CAS: 2143-69-3

Physical Properties

Property code	Value	Unit	Source
ea	0.43	eV	NIST Webbook
ea	0.48 ± 0.01	eV	NIST Webbook
ea	0.45 ± 0.00	eV	NIST Webbook
ea	0.48 ± 0.21	eV	NIST Webbook
ea	0.49 ± 0.01	eV	NIST Webbook
ea	0.47 ± 0.02	eV	NIST Webbook
log10ws	-0.09		Crippen Method
logp	0.482		Crippen Method
mcvol	30.440	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=C2143693&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ea: Electron affinity
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume