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	0.49 ± 0.01	eV	NIST Webbook
ea	0.47 ± 0.02	eV	NIST Webbook
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
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

Latest version available from:

https://www.chemeo.com/cid/73-163-0/CH2-C.pdf

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