Methoxy radical

Inchi: InChI=1S/CH3O/c1-2/h1H3
InchiKey: GRVDJDISBSALJP-UHFFFAOYSA-N
Formula: CH3O
SMILES: C[O]
Mol. weight [g/mol]: 31.03
CAS: 2143-68-2

Physical Properties

Property code	Value	Unit	Source
hf	17.00 ± 4.00	kJ/mol	NIST Webbook
hfpiz	1059.00	kJ/mol	NIST Webbook
ie	10.72	eV	NIST Webbook
ie	10.72	eV	NIST Webbook
ie	8.60	eV	NIST Webbook
ie	8.30 ± 0.30	eV	NIST Webbook
ie	7.37 ± 0.03	eV	NIST Webbook
log10ws	-4.13		Crippen Method
logp	0.047		Crippen Method
mcvol	28.670	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2143682&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

hf: Enthalpy of formation at standard conditions
hfpiz: Enthalpy of formation of positive ion at 0K

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