2-Methylcyclopropyl

Inchi: InChI=1S/C4H7/c1-4-2-3-4/h2,4H,3H2,1H3
InchiKey: WVLGOHUFGOFSGZ-UHFFFAOYSA-N
Formula: C4H7
SMILES: CC1[CH]C1
Mol. weight [g/mol]: 55.10
CAS: 118299-38-0

Physical Properties

Property code	Value	Unit	Source
ea	0.37 ± 0.22	eV	NIST Webbook
gf	88.22	kJ/mol	Joback Method
hf	-17.62	kJ/mol	Joback Method
hfus	7.00	kJ/mol	Joback Method
hvap	23.96	kJ/mol	Joback Method
log10ws	-0.76		Crippen Method
logp	1.230		Crippen Method
mcvol	54.210	ml/mol	McGowan Method
pc	4684.89	kPa	Joback Method
tb	292.29	K	Joback Method
tc	465.10	K	Joback Method
tf	164.91	K	Joback Method
vc	0.206	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	70.26	J/mol×K	292.29	Joback Method
cpg	79.63	J/mol×K	321.09	Joback Method
cpg	88.40	J/mol×K	349.89	Joback Method
cpg	96.61	J/mol×K	378.69	Joback Method
cpg	104.29	J/mol×K	407.49	Joback Method
cpg	111.46	J/mol×K	436.30	Joback Method
cpg	118.17	J/mol×K	465.10	Joback Method
dvisc	0.0000297	Pa×s	164.91	Joback Method

dvisc	0.0000428	Pa×s	186.14	Joback Method
dvisc	0.0000573	Pa×s	207.37	Joback Method
dvisc	0.0000727	Pa×s	228.60	Joback Method
dvisc	0.0000886	Pa×s	249.83	Joback Method
dvisc	0.0001046	Pa×s	271.06	Joback Method
dvisc	0.0001206	Pa×s	292.29	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C118299380&Units=SI

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
ea:	Electron affinity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume