2-Methylene cyclopentanol

Inchi: InChI=1S/C6H10O/c1-5-3-2-4-6(5)7/h6-7H,1-4H2
InchiKey: GQKSJBOBUIUXGZ-UHFFFAOYSA-N
Formula: C6H10O
SMILES: C=C1CCCC1O
Mol. weight [g/mol]: 98.14
CAS: 20461-31-8

Physical Properties

Property code	Value	Unit	Source
gf	-47.55	kJ/mol	Joback Method
hf	-174.68	kJ/mol	Joback Method
hfus	8.16	kJ/mol	Joback Method
hvap	46.05	kJ/mol	Joback Method
log10ws	-1.46		Crippen Method
logp	1.087		Crippen Method
mcvol	86.110	ml/mol	McGowan Method
pc	4426.72	kPa	Joback Method
tb	443.30	K	Joback Method
tc	632.56	K	Joback Method
tf	242.78	K	Joback Method
vc	0.316	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	174.95	J/mol×K	443.30	Joback Method
cpg	185.52	J/mol×K	474.84	Joback Method
cpg	195.58	J/mol×K	506.39	Joback Method
cpg	205.15	J/mol×K	537.93	Joback Method
cpg	214.25	J/mol×K	569.48	Joback Method
cpg	222.89	J/mol×K	601.02	Joback Method
cpg	231.08	J/mol×K	632.56	Joback Method
dvisc	0.0235480	Pa×s	242.78	Joback Method
dvisc	0.0072870	Pa×s	276.20	Joback Method

dvisc	0.0029048	Pa×s	309.62	Joback Method
dvisc	0.0013852	Pa×s	343.04	Joback Method
dvisc	0.0007534	Pa×s	376.46	Joback Method
dvisc	0.0004525	Pa×s	409.88	Joback Method
dvisc	0.0002935	Pa×s	443.30	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C20461318&Units=SI
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

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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