Cyclopropyl methyl carbinol

Other names:	Methylcyclopropylcarbinol
	1-Cyclopropylethanol
	Cyclopropylethanol
	Cyclopropanemethanol, «alpha»-methyl-
	«alpha»-Methylcyclopropanemethanol
	alpha-methylcyclopropanemethanol
Inchi:	InChI=1S/C5H10O/c1-4(6)5-2-3-5/h4-6H,2-3H2,1H3
InchiKey:	DKKVKJZXOBFLRY-UHFFFAOYSA-N
Formula:	C5H10O
SMILES:	CC(O)C1CC1
Mol. weight [g/mol]:	86.13
CAS:	765-42-4

Physical Properties

Property code	Value	Unit	Source
gf	-87.29	kJ/mol	Joback Method
hf	-231.24	kJ/mol	Joback Method
hfus	7.41	kJ/mol	Joback Method
hvap	42.93	kJ/mol	Joback Method
log10ws	-0.94		Crippen Method
logp	0.777		Crippen Method
mcvol	76.320	ml/mol	McGowan Method
pc	4640.32	kPa	Joback Method
tb	394.20	K	NIST Webbook
tb	396.65 ± 0.50	K	NIST Webbook
tc	591.25	K	Joback Method
tf	241.05 ± 0.60	K	NIST Webbook
vc	0.285	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	153.45	J/mol×K	412.28	Joback Method
cpg	163.19	J/mol×K	442.11	Joback Method

cpg	172.41	J/mol×K	471.94	Joback Method
cpg	181.14	J/mol×K	501.77	Joback Method
cpg	189.39	J/mol×K	531.60	Joback Method
cpg	197.19	J/mol×K	561.42	Joback Method
cpg	204.57	J/mol×K	591.25	Joback Method
dvisc	0.0477536	Pa×s	209.87	Joback Method
dvisc	0.0125699	Pa×s	243.60	Joback Method
dvisc	0.0045780	Pa×s	277.34	Joback Method
dvisc	0.0020757	Pa×s	311.07	Joback Method
dvisc	0.0010987	Pa×s	344.81	Joback Method
dvisc	0.0006514	Pa×s	378.54	Joback Method
dvisc	0.0004207	Pa×s	412.28	Joback Method

Sources

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=C765424&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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