2-Methylenecyclopropanemethanol

Inchi: InChI=1S/C5H8O/c1-4-2-5(4)3-6/h5-6H,1-3H2
InchiKey: CQFQAARMEJVWAL-UHFFFAOYSA-N
Formula: C5H8O
SMILES: C=C1CC1CO
Mol. weight [g/mol]: 84.12
CAS: 29279-66-1

Physical Properties

Property code	Value	Unit	Source
gf	-31.77	kJ/mol	Joback Method
hf	-141.72	kJ/mol	Joback Method
hfus	9.77	kJ/mol	Joback Method
hvap	43.48	kJ/mol	Joback Method
log10ws	-0.69		Crippen Method
logp	0.555		Crippen Method
mcvol	72.020	ml/mol	McGowan Method
pc	4710.65	kPa	Joback Method
tb	411.88	K	Joback Method
tc	588.36	K	Joback Method
tf	238.55	K	Joback Method
vc	0.276	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	140.67	J/mol×K	411.88	Joback Method
cpg	176.41	J/mol×K	558.95	Joback Method
cpg	170.01	J/mol×K	529.53	Joback Method
cpg	163.25	J/mol×K	500.12	Joback Method
cpg	156.12	J/mol×K	470.71	Joback Method
cpg	148.60	J/mol×K	441.29	Joback Method
cpg	182.49	J/mol×K	588.36	Joback Method
dvisc	0.0004305	Pa×s	411.88	Joback Method
dvisc	0.0006022	Pa×s	382.99	Joback Method

dvisc	0.0008898	Pa×s	354.10	Joback Method
dvisc	0.0014091	Pa×s	325.22	Joback Method
dvisc	0.0024407	Pa×s	296.33	Joback Method
dvisc	0.0047602	Pa×s	267.44	Joback Method
dvisc	0.0109146	Pa×s	238.55	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=C29279661&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