3-Methylenecyclobutanemethanol

Inchi: InChI=1S/C6H10O/c1-5-2-6(3-5)4-7/h6-7H,1-4H2
InchiKey: NCCDWBWIMWQQOM-UHFFFAOYSA-N
Formula: C6H10O
SMILES: C=C1CC(CO)C1
Mol. weight [g/mol]: 98.14
CAS: 10555-45-0

Physical Properties

Property code	Value	Unit	Source
gf	-35.45	kJ/mol	Joback Method
hf	-168.52	kJ/mol	Joback Method
hfus	10.26	kJ/mol	Joback Method
hvap	45.87	kJ/mol	Joback Method
log10ws	-1.10		Crippen Method
logp	0.945		Crippen Method
mcvol	86.110	ml/mol	McGowan Method
pc	4283.05	kPa	Joback Method
tb	439.03	K	Joback Method
tc	621.17	K	Joback Method
tf	246.30	K	Joback Method
vc	0.324	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	176.40	J/mol×K	439.03	Joback Method
cpg	186.22	J/mol×K	469.39	Joback Method
cpg	195.56	J/mol×K	499.74	Joback Method
cpg	204.44	J/mol×K	530.10	Joback Method
cpg	212.89	J/mol×K	560.46	Joback Method
cpg	220.90	J/mol×K	590.81	Joback Method
cpg	228.52	J/mol×K	621.17	Joback Method
dvisc	0.0156927	Pa×s	246.30	Joback Method
dvisc	0.0057589	Pa×s	278.42	Joback Method

dvisc	0.0026004	Pa×s	310.54	Joback Method
dvisc	0.0013630	Pa×s	342.66	Joback Method
dvisc	0.0007980	Pa×s	374.79	Joback Method
dvisc	0.0005085	Pa×s	406.91	Joback Method
dvisc	0.0003460	Pa×s	439.03	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10555450&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

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