cyclopropyl methyl ether

Inchi: InChI=1S/C4H8O/c1-5-4-2-3-4/h4H,2-3H2,1H3
InchiKey: ZUVAACFIEPYYOP-UHFFFAOYSA-N
Formula: C4H8O
SMILES: COC1CC1
Mol. weight [g/mol]: 72.11
CAS: 540-47-6

Physical Properties

Property code	Value	Unit	Source
gf	-61.45	kJ/mol	Joback Method
hf	-185.31	kJ/mol	Joback Method
hfus	5.44	kJ/mol	Joback Method
hvap	26.82	kJ/mol	Joback Method
log10ws	-0.59		Crippen Method
logp	0.795		Crippen Method
mcvol	62.230	ml/mol	McGowan Method
pc	4510.35	kPa	Joback Method
tb	317.88 ± 0.40	K	NIST Webbook
tc	499.41	K	Joback Method
tf	163.07 ± 0.50	K	NIST Webbook
vc	0.234	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	97.04	J/mol×K	320.08	Joback Method
cpg	105.88	J/mol×K	349.97	Joback Method
cpg	114.33	J/mol×K	379.86	Joback Method
cpg	122.41	J/mol×K	409.75	Joback Method
cpg	130.12	J/mol×K	439.64	Joback Method
cpg	137.48	J/mol×K	469.53	Joback Method
cpg	144.50	J/mol×K	499.41	Joback Method
dvisc	0.0004538	Pa×s	175.01	Joback Method
dvisc	0.0003703	Pa×s	199.19	Joback Method

dvisc	0.0003157	Pa×s	223.37	Joback Method
dvisc	0.0002777	Pa×s	247.54	Joback Method
dvisc	0.0002499	Pa×s	271.72	Joback Method
dvisc	0.0002288	Pa×s	295.90	Joback Method
dvisc	0.0002123	Pa×s	320.08	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=C540476&Units=SI

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