Tetrahydrofuran, 2-methyl-2-methoxy

Inchi: InChI=1S/C6H12O2/c1-6(7-2)4-3-5-8-6/h3-5H2,1-2H3
InchiKey: PZGCEXNABJBCDY-UHFFFAOYSA-N
Formula: C6H12O2
SMILES: COC1(C)CCCO1
Mol. weight [g/mol]: 116.16

Physical Properties

Property code	Value	Unit	Source
gf	-160.42	kJ/mol	Joback Method
hf	-355.67	kJ/mol	Joback Method
hfus	8.10	kJ/mol	Joback Method
hvap	34.98	kJ/mol	Joback Method
log10ws	-1.01		Crippen Method
logp	1.159		Crippen Method
mcvol	96.280	ml/mol	McGowan Method
pc	3930.78	kPa	Joback Method
rinpol	753.00		NIST Webbook
rinpol	821.00		NIST Webbook
rinpol	821.00		NIST Webbook
tb	401.57	K	Joback Method
tc	606.63	K	Joback Method
tf	240.98	K	Joback Method
vc	0.349	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	190.29	J/mol×K	401.57	Joback Method
cpg	204.16	J/mol×K	435.75	Joback Method
cpg	217.09	J/mol×K	469.92	Joback Method
cpg	229.16	J/mol×K	504.10	Joback Method
cpg	240.45	J/mol×K	538.28	Joback Method
cpg	251.05	J/mol×K	572.46	Joback Method
cpg	261.03	J/mol×K	606.63	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R130340&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
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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume