Furan, 2,5-dihydro-3-methyl-

Other names: 2,5-Dihydro-3-methylfuran
2,5-dihydro-3-methylfurane
Inchi: InChI=1S/C5H8O/c1-5-2-3-6-4-5/h2H,3-4H2,1H3
InchiKey: GSDYNJRRFBBEJS-UHFFFAOYSA-N
Formula: C5H8O
SMILES: CC1=CCOC1
Mol. weight [g/mol]: 84.12
CAS: 1708-31-2

Physical Properties

Property code	Value	Unit	Source
gf	-30.31	kJ/mol	Joback Method
hf	-151.40	kJ/mol	Joback Method
hfus	10.38	kJ/mol	Joback Method
hvap	32.75	kJ/mol	Joback Method
log10ws	-0.75		Crippen Method
logp	0.963		Crippen Method
mcvol	72.020	ml/mol	McGowan Method
pc	4608.87	kPa	Joback Method
tb	364.84	K	Joback Method
tc	566.81	K	Joback Method
tf	201.10	K	Joback Method
vc	0.265	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	119.80	J/mol×K	364.84	Joback Method
cpg	129.86	J/mol×K	398.50	Joback Method
cpg	139.39	J/mol×K	432.16	Joback Method
cpg	148.41	J/mol×K	465.83	Joback Method
cpg	156.94	J/mol×K	499.49	Joback Method
cpg	165.00	J/mol×K	533.15	Joback Method
cpg	172.61	J/mol×K	566.81	Joback Method

dvisc	0.0031597	Pa×s	201.10	Joback Method
dvisc	0.0017240	Pa×s	228.39	Joback Method
dvisc	0.0010705	Pa×s	255.68	Joback Method
dvisc	0.0007287	Pa×s	282.97	Joback Method
dvisc	0.0005307	Pa×s	310.26	Joback Method
dvisc	0.0004069	Pa×s	337.55	Joback Method
dvisc	0.0003246	Pa×s	364.84	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1708312&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
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