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

Other names: 2,3-Dihydro-3-methylfuran
Inchi: InChI=1S/C5H8O/c1-5-2-3-6-4-5/h2-3,5H,4H2,1H3
InchiKey: GLXIOXNPORODGG-UHFFFAOYSA-N
Formula: C5H8O
SMILES: CC1C=COC1
Mol. weight [g/mol]: 84.12
CAS: 1708-27-6

Physical Properties

Property code	Value	Unit	Source
gf	-28.39	kJ/mol	Joback Method
hf	-160.27	kJ/mol	Joback Method
hfus	11.84	kJ/mol	Joback Method
hvap	31.78	kJ/mol	Joback Method
log10ws	-1.00		Crippen Method
logp	1.166		Crippen Method
mcvol	72.020	ml/mol	McGowan Method
pc	4498.26	kPa	Joback Method
ripol	1392.00		NIST Webbook
tb	355.19	K	Joback Method
tc	554.63	K	Joback Method
tf	184.34	K	Joback Method
vc	0.264	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	118.56	J/mol×K	355.19	Joback Method
cpg	129.42	J/mol×K	388.43	Joback Method
cpg	139.71	J/mol×K	421.67	Joback Method
cpg	149.48	J/mol×K	454.91	Joback Method
cpg	158.72	J/mol×K	488.15	Joback Method
cpg	167.45	J/mol×K	521.39	Joback Method
cpg	175.71	J/mol×K	554.63	Joback Method

dvisc	0.0026669	Pa×s	184.34	Joback Method
dvisc	0.0014672	Pa×s	212.81	Joback Method
dvisc	0.0009295	Pa×s	241.29	Joback Method
dvisc	0.0006484	Pa×s	269.76	Joback Method
dvisc	0.0004845	Pa×s	298.24	Joback Method
dvisc	0.0003809	Pa×s	326.72	Joback Method
dvisc	0.0003112	Pa×s	355.19	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=C1708276&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume