Furan, 2,3-dihydro-4-methyl-

Other names:	4-Methyl-2,3-dihydrofuran
	2,3-Dihydro-4-methylfuran
	3-Methyl-4-5-dihydrofuran
Inchi:	InChI=1S/C5H8O/c1-5-2-3-6-4-5/h4H,2-3H2,1H3
InchiKey:	FWGYRFWKBWPRJD-UHFFFAOYSA-N
Formula:	C5H8O
SMILES:	CC1=COCC1
Mol. weight [g/mol]:	84.12
CAS:	34314-83-5

Physical Properties

Property code	Value	Unit	Source
affp	868.60	kJ/mol	NIST Webbook
basg	836.20	kJ/mol	NIST Webbook
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	-1.25		Crippen Method
logp	1.310		Crippen Method
mcvol	72.020	ml/mol	McGowan Method
pc	4608.87	kPa	Joback Method
rinpol	755.00		NIST Webbook
rinpol	755.00		NIST Webbook
ripol	1170.00		NIST Webbook
ripol	1170.00		NIST Webbook
ripol	1202.00		NIST Webbook
ripol	1206.00		NIST Webbook
ripol	1202.00		NIST Webbook
ripol	1170.00		NIST Webbook
ripol	1202.00		NIST Webbook
ripol	1212.00		NIST Webbook
ripol	1206.00		NIST Webbook
ripol	1170.00		NIST Webbook
ripol	1212.00		NIST Webbook
ripol	1196.00		NIST Webbook
ripol	1187.00		NIST Webbook

ripol	1201.00		NIST Webbook
ripol	1202.00		NIST Webbook
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

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=C34314835&Units=SI

Legend

affp: Proton affinity

basg:	Gas basicity
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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume