2-Furanmethanol, tetrahydro-5-methyl-

Other names:	5-Methyltetrahydrofuran-2-methanol,cis & trans
	5-(Hydroxymethyl)tetrahydro-2-furanol
	Tetrahydro-5-methyl-2-furanmethanol
	Tetrahydro-5-methylfuran-2-methanol
	Furfuryl alcohol, tetrahydro-5-methyl-
Inchi:	InChI=1S/C6H12O2/c1-5-2-3-6(4-7)8-5/h5-7H,2-4H2,1H3
InchiKey:	PCZHHBOJPSQUNS-UHFFFAOYSA-N
Formula:	C6H12O2
SMILES:	CC1CCC(CO)O1
Mol. weight [g/mol]:	116.16
CAS:	6126-49-4

Physical Properties

Property code	Value	Unit	Source
gf	-194.46	kJ/mol	Joback Method
hf	-411.26	kJ/mol	Joback Method
hfus	18.37	kJ/mol	Joback Method
hvap	50.09	kJ/mol	Joback Method
log10ws	-0.80		Crippen Method
logp	0.546		Crippen Method
mcvol	96.280	ml/mol	McGowan Method
pc	4088.15	kPa	Joback Method
rinpol	1075.00		NIST Webbook
tb	466.42	K	Joback Method
tc	653.58	K	Joback Method
tf	251.43	K	Joback Method
vc	0.351	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	218.95	J/mol×K	466.42	Joback Method
cpg	230.92	J/mol×K	497.61	Joback Method
cpg	242.33	J/mol×K	528.81	Joback Method

cpg	253.21	J/mol×K	560.00	Joback Method
cpg	263.57	J/mol×K	591.19	Joback Method
cpg	273.41	J/mol×K	622.39	Joback Method
cpg	282.76	J/mol×K	653.58	Joback Method
dvisc	0.0277287	Pa×s	251.43	Joback Method
dvisc	0.0080818	Pa×s	287.26	Joback Method
dvisc	0.0030963	Pa×s	323.09	Joback Method
dvisc	0.0014367	Pa×s	358.93	Joback Method
dvisc	0.0007664	Pa×s	394.76	Joback Method
dvisc	0.0004539	Pa×s	430.59	Joback Method
dvisc	0.0002913	Pa×s	466.42	Joback Method

Sources

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=C6126494&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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