5-METHYLTETRAHYDROFURAN-2-METHANOL

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

Physical Properties

Property code	Value	Unit	Source
hfus	18.37	kJ/mol	Joback Method
logp	0.546		Crippen Method
mcvol	96.280	ml/mol	McGowan Method
rinpol	1075.00		NIST Webbook
tb	453.28	K	Cheméo Relay (1.0)
tf	277.06	K	Cheméo Relay (1.0)

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	358.92	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

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C6126494&Units=SI

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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
hfus: Enthalpy of fusion at standard conditions
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices
tb: Normal Boiling Point Temperature
tf: Normal melting (fusion) point