(+/-)-TETRAHYDRO-3-FURANMETHANOL

Inchi: InChI=1S/C5H10O2/c6-3-5-1-2-7-4-5/h5-6H,1-4H2
InchiKey: PCPUMGYALMOCHF-UHFFFAOYSA-N
Formula: C5H10O2
SMILES: OCC1CCOC1
Mol. weight [g/mol]: 102.13

Physical Properties

Property code	Value	Unit	Source
hfus	14.71	kJ/mol	Joback Method
ie	9.51	eV	Cheméo Relay (1.0)
log10ws	0.60		Cheméo Relay (1.0)
logp	0.015		Crippen Method
mcvol	82.190	ml/mol	McGowan Method
rinpol	913.50		NIST Webbook
ripol	2309.00		NIST Webbook
tb	451.74	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	177.23	J/mol×K	448.21	Joback Method
cpg	187.81	J/mol×K	479.78	Joback Method
cpg	197.87	J/mol×K	511.36	Joback Method
cpg	207.41	J/mol×K	542.93	Joback Method
cpg	216.46	J/mol×K	574.51	Joback Method
cpg	225.03	J/mol×K	606.08	Joback Method
cpg	233.15	J/mol×K	637.66	Joback Method
dvisc	0.0436528	Pa×s	244.40	Joback Method
dvisc	0.0116912	Pa×s	278.37	Joback Method
dvisc	0.0041702	Pa×s	312.34	Joback Method
dvisc	0.0018209	Pa×s	346.30	Joback Method
dvisc	0.0009219	Pa×s	380.27	Joback Method
dvisc	0.0005219	Pa×s	414.24	Joback Method
dvisc	0.0003221	Pa×s	448.21	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	349.70	K	0.50	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C15833611&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
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure