Furan, 5-ethyl-2,3-dihydro-

Inchi: InChI=1S/C6H10O/c1-2-6-4-3-5-7-6/h4H,2-3,5H2,1H3
InchiKey: CPMMVQJCVZTIRV-UHFFFAOYSA-N
Formula: C6H10O
SMILES: CCC1=CCCO1
Mol. weight [g/mol]: 98.14
CAS: 38614-09-4

Physical Properties

Property code	Value	Unit	Source
gf	-21.89	kJ/mol	Joback Method
hf	-172.04	kJ/mol	Joback Method
hfus	12.97	kJ/mol	Joback Method
hvap	34.98	kJ/mol	Joback Method
log10ws	-1.66		Crippen Method
logp	1.701		Crippen Method
mcvol	86.110	ml/mol	McGowan Method
pc	4062.13	kPa	Joback Method
tb	387.72	K	Joback Method
tc	588.31	K	Joback Method
tf	212.37	K	Joback Method
vc	0.321	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	155.14	J/mol×K	387.72	Joback Method
cpg	166.67	J/mol×K	421.15	Joback Method
cpg	177.61	J/mol×K	454.58	Joback Method
cpg	187.97	J/mol×K	488.02	Joback Method
cpg	197.78	J/mol×K	521.45	Joback Method
cpg	207.06	J/mol×K	554.88	Joback Method
cpg	215.82	J/mol×K	588.31	Joback Method
dvisc	0.0035967	Pa×s	212.37	Joback Method
dvisc	0.0019071	Pa×s	241.59	Joback Method

dvisc	0.0011596	Pa×s	270.82	Joback Method
dvisc	0.0007768	Pa×s	300.04	Joback Method
dvisc	0.0005588	Pa×s	329.27	Joback Method
dvisc	0.0004241	Pa×s	358.50	Joback Method
dvisc	0.0003355	Pa×s	387.72	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=C38614094&Units=SI

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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