

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/molxK	387.72	Joback Method
cpg	166.67	J/molxK	421.15	Joback Method
cpg	177.61	J/molxK	454.58	Joback Method
cpg	187.97	J/molxK	488.02	Joback Method
cpg	197.78	J/molxK	521.45	Joback Method
cpg	207.06	J/molxK	554.88	Joback Method
cpg	215.82	J/molxK	588.31	Joback Method
dvisc	0.0035967	Paxs	212.37	Joback Method
dvisc	0.0019071	Paxs	241.59	Joback Method

dvisc	0.0011596	Paxs	270.82	Joback Method
dvisc	0.0007768	Paxs	300.04	Joback Method
dvisc	0.0005588	Paxs	329.27	Joback Method
dvisc	0.0004241	Paxs	358.50	Joback Method
dvisc	0.0003355	Paxs	387.72	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.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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