Furan, 2,5-dihydro-2,3,5-trimethyl

Inchi: InChI=1S/C7H12O/c1-5-4-6(2)8-7(5)3/h4,6-7H,1-3H3
InchiKey: RTPZOHJDYXVIFB-UHFFFAOYSA-N
Formula: C7H12O
SMILES: CC1=CC(C)OC1C
Mol. weight [g/mol]: 112.17

Physical Properties

Property code	Value	Unit	Source
gf	-28.89	kJ/mol	Joback Method
hf	-233.36	kJ/mol	Joback Method
hfus	17.70	kJ/mol	Joback Method
hvap	36.59	kJ/mol	Joback Method
log10ws	-1.81		Crippen Method
logp	1.740		Crippen Method
mcvol	100.200	ml/mol	McGowan Method
pc	3337.38	kPa	Joback Method
rinpol	806.00		NIST Webbook
rinpol	806.00		NIST Webbook
tb	401.26	K	Joback Method
tc	599.13	K	Joback Method
tf	215.16	K	Joback Method
vc	0.374	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	193.93	J/mol×K	401.26	Joback Method
cpg	207.24	J/mol×K	434.24	Joback Method
cpg	219.97	J/mol×K	467.22	Joback Method
cpg	232.15	J/mol×K	500.20	Joback Method
cpg	243.76	J/mol×K	533.18	Joback Method
cpg	254.84	J/mol×K	566.15	Joback Method
cpg	265.39	J/mol×K	599.13	Joback Method
dvisc	0.0014047	Pa×s	215.16	Joback Method

dvisc	0.0009255	Pa×s	246.18	Joback Method
dvisc	0.0006694	Pa×s	277.19	Joback Method
dvisc	0.0005168	Pa×s	308.21	Joback Method
dvisc	0.0004183	Pa×s	339.23	Joback Method
dvisc	0.0003508	Pa×s	370.24	Joback Method
dvisc	0.0003023	Pa×s	401.26	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R128184&Units=SI
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

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