Furan, 2,3-dihydro-2,2,4-trimethyl

Inchi: InChI=1S/C7H12O/c1-6-4-7(2,3)8-5-6/h5H,4H2,1-3H3
InchiKey: NIPHHMGADJGWBB-UHFFFAOYSA-N
Formula: C7H12O
SMILES: CC1=COC(C)(C)C1
Mol. weight [g/mol]: 112.17

Physical Properties

Property code	Value	Unit	Source
gf	-26.67	kJ/mol	Joback Method
hf	-197.78	kJ/mol	Joback Method
hfus	10.33	kJ/mol	Joback Method
hvap	35.75	kJ/mol	Joback Method
log10ws	-2.20		Crippen Method
logp	2.089		Crippen Method
mcvol	100.200	ml/mol	McGowan Method
pc	3659.77	kPa	Joback Method
rinpol	793.00		NIST Webbook
tb	406.17	K	Joback Method
tc	613.73	K	Joback Method
tf	243.30	K	Joback Method
vc	0.373	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	194.19	J/mol×K	406.17	Joback Method
cpg	207.91	J/mol×K	440.76	Joback Method
cpg	220.63	J/mol×K	475.36	Joback Method
cpg	232.43	J/mol×K	509.95	Joback Method
cpg	243.41	J/mol×K	544.54	Joback Method
cpg	253.67	J/mol×K	579.14	Joback Method
cpg	263.30	J/mol×K	613.73	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=R128179&Units=SI

Legend

cpg:	Ideal gas heat capacity
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