Furan, 2,5-dihydro-2,5-dimethoxy-

Other names:	2,5-Dimethoxy-2,5-dihydrofuran
	2,5-Dihydro-2,5-dimethoxyfuran
	2,5-Dimethoxy-2,5-dihydrofuran,c&t
	2,5-Dihydro-2,5-dimethoxyfuran,c&t
Inchi:	InChI=1S/C6H10O3/c1-7-5-3-4-6(8-2)9-5/h3-6H,1-2H3
InchiKey:	WXFWXFIWDGJRSC-UHFFFAOYSA-N
Formula:	C6H10O3
SMILES:	COC1C=CC(OC)O1
Mol. weight [g/mol]:	130.14
CAS:	332-77-4

Physical Properties

Property code	Value	Unit	Source
gf	-237.68	kJ/mol	Joback Method
hf	-465.69	kJ/mol	Joback Method
hfus	17.88	kJ/mol	Joback Method
hvap	44.20 ± 0.30	kJ/mol	NIST Webbook
log10ws	-0.56		Crippen Method
logp	0.518		Crippen Method
mcvol	97.850	ml/mol	McGowan Method
pc	3655.35	kPa	Joback Method
tb	434.20	K	NIST Webbook
tc	615.21	K	Joback Method
tf	235.83	K	Joback Method
vc	0.354	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	200.30	J/mol×K	418.24	Joback Method
cpg	255.33	J/mol×K	582.38	Joback Method
cpg	245.15	J/mol×K	549.55	Joback Method
cpg	234.55	J/mol×K	516.73	Joback Method
cpg	223.53	J/mol×K	483.90	Joback Method

cpg	212.11	J/mol×K	451.07	Joback Method
cpg	265.08	J/mol×K	615.21	Joback Method
dvisc	0.0002710	Pa×s	418.24	Joback Method
dvisc	0.0003217	Pa×s	387.84	Joback Method
dvisc	0.0003931	Pa×s	357.44	Joback Method
dvisc	0.0004985	Pa×s	327.04	Joback Method
dvisc	0.0006638	Pa×s	296.63	Joback Method
dvisc	0.0009438	Pa×s	266.23	Joback Method
dvisc	0.0014691	Pa×s	235.83	Joback Method

Sources

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=C332774&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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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