

# Furan, 2,3-dihydro-4-methoxy-

<b>Inchi:</b>	InChI=1S/C5H8O2/c1-6-5-2-3-7-4-5/h4H,2-3H2,1H3
<b>InchiKey:</b>	XWASILHMSZZXHI-UHFFFAOYSA-N
<b>Formula:</b>	C5H8O2
<b>SMILES:</b>	COC1=COCC1
<b>Mol. weight [g/mol]:</b>	100.12
<b>CAS:</b>	61860-75-1

## Physical Properties

Property code	Value	Unit	Source
gf	-135.31	kJ/mol	Joback Method
hf	-283.62	kJ/mol	Joback Method
hfus	11.57	kJ/mol	Joback Method
hvap	35.16	kJ/mol	Joback Method
log10ws	-0.83		Crippen Method
logp	0.895		Crippen Method
mcvol	77.890	ml/mol	McGowan Method
pc	4504.30	kPa	Joback Method
tb	387.26	K	Joback Method
tc	589.11	K	Joback Method
tf	223.33	K	Joback Method
vc	0.282	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	141.05	J/molxK	387.26	Joback Method
cpg	185.35	J/molxK	555.47	Joback Method
cpg	177.30	J/molxK	521.83	Joback Method
cpg	168.86	J/molxK	488.18	Joback Method
cpg	160.00	J/molxK	454.54	Joback Method
cpg	150.74	J/molxK	420.90	Joback Method
cpg	193.00	J/molxK	589.11	Joback Method
dvisc	0.0003062	Paxs	387.26	Joback Method
dvisc	0.0003830	Paxs	359.94	Joback Method

dvisc	0.0004970	Paxs	332.62	Joback Method
dvisc	0.0006757	Paxs	305.30	Joback Method
dvisc	0.0009759	Paxs	277.97	Joback Method
dvisc	0.0015270	Paxs	250.65	Joback Method
dvisc	0.0026660	Paxs	223.33	Joback Method

## Sources

<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C61860751&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C61860751&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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