

# 2H-Pyran, 3,4-dihydro-2-methoxy-

<b>Other names:</b>	3,4-Dihydro-2-methoxy-2H-pyran 2-Methoxy-3,4-dihydro-2H-pyran 2-Methoxy-2,3-dihydro-4H-pyran 2,3-Dihydro-2-methoxy-4H-pyran
<b>Inchi:</b>	InChI=1S/C6H10O2/c1-7-6-4-2-3-5-8-6/h3,5-6H,2,4H2,1H3
<b>InchiKey:</b>	XCYWUZHUTJDTGS-UHFFFAOYSA-N
<b>Formula:</b>	C6H10O2
<b>SMILES:</b>	COC1CCC=CO1
<b>Mol. weight [g/mol]:</b>	114.14
<b>CAS:</b>	4454-05-1

## Physical Properties

Property code	Value	Unit	Source
gf	-137.07	kJ/mol	Joback Method
hf	-319.29	kJ/mol	Joback Method
hfus	13.52	kJ/mol	Joback Method
hvap	36.59	kJ/mol	Joback Method
log10ws	-1.36		Crippen Method
logp	1.283		Crippen Method
mcvol	91.980	ml/mol	McGowan Method
pc	4010.84	kPa	Joback Method
tb	390.75	K	NIST Webbook
tc	611.24	K	Joback Method
tf	214.32	K	Joback Method
vc	0.330	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	175.05	J/molxK	404.76	Joback Method
cpg	187.84	J/molxK	439.17	Joback Method
cpg	200.08	J/molxK	473.59	Joback Method
cpg	211.78	J/molxK	508.00	Joback Method
cpg	222.93	J/molxK	542.41	Joback Method

cpg	233.54	J/mol×K	576.82	Joback Method
cpg	243.61	J/mol×K	611.24	Joback Method
dvisc	0.0044018	Paxs	214.32	Joback Method
dvisc	0.0020708	Paxs	246.06	Joback Method
dvisc	0.0011574	Paxs	277.80	Joback Method
dvisc	0.0007289	Paxs	309.54	Joback Method
dvisc	0.0005002	Paxs	341.28	Joback Method
dvisc	0.0003660	Paxs	373.02	Joback Method
dvisc	0.0002813	Paxs	404.76	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<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=C4454051&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4454051&amp;Units=SI</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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