

# Pyran, 2,3-dihydro-

<b>Inchi:</b>	InChI=1S/C5H8O/c1-2-4-6-5-3-1/h2,4H,1,3,5H2
<b>InchiKey:</b>	BUDQDWGNQVEFAC-UHFFFAOYSA-N
<b>Formula:</b>	C5H8O
<b>SMILES:</b>	C1=COCCC1
<b>Mol. weight [g/mol]:</b>	84.12

## Physical Properties

Property code	Value	Unit	Source
gf	-32.78	kJ/mol	Joback Method
hf	-146.09	kJ/mol	Joback Method
hfus	8.67	kJ/mol	Joback Method
hvap	32.26	kJ/mol	Joback Method
log10ws	-1.25		Crippen Method
logp	1.310		Crippen Method
mcvol	72.020	ml/mol	McGowan Method
pc	4869.76	kPa	Joback Method
tb	364.13	K	Joback Method
tc	573.37	K	Joback Method
tf	185.06	K	Joback Method
vc	0.257	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	115.35	J/molxK	364.13	Joback Method
cpg	126.89	J/molxK	399.00	Joback Method
cpg	137.79	J/molxK	433.88	Joback Method
cpg	148.08	J/molxK	468.75	Joback Method
cpg	157.79	J/molxK	503.62	Joback Method
cpg	166.92	J/molxK	538.49	Joback Method
cpg	175.50	J/molxK	573.37	Joback Method
dvisc	0.0102466	Paxs	185.06	Joback Method
dvisc	0.0039085	Paxs	214.91	Joback Method
dvisc	0.0018859	Paxs	244.75	Joback Method

dvisc	0.0010662	Paxs	274.60	Joback Method
dvisc	0.0006741	Paxs	304.44	Joback Method
dvisc	0.0004625	Paxs	334.28	Joback Method
dvisc	0.0003376	Paxs	364.13	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=B6004301&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6004301&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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