

# 3,4-Dichlorotetrahydrofuran

Inchi:	InChI=1S/C4H6Cl2O/c5-3-1-7-2-4(3)6/h3-4H,1-2H2
InchiKey:	UMHAQPKHTAHZ-UHFFFAOYSA-N
Formula:	C4H6Cl2O
SMILES:	C1C1COCC1Cl
Mol. weight [g/mol]:	141.00

## Physical Properties

Property code	Value	Unit	Source
gf	-98.34	kJ/mol	Joback Method
hf	-249.23	kJ/mol	Joback Method
hfus	17.50	kJ/mol	Joback Method
hvap	37.73	kJ/mol	Joback Method
log10ws	-1.01		Crippen Method
logp	1.231		Crippen Method
mcvol	86.710	ml/mol	McGowan Method
pc	4227.54	kPa	Joback Method
tb	403.34	K	Joback Method
tc	619.65	K	Joback Method
tf	227.91	K	Joback Method
vc	0.319	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	145.44	J/mol×K	403.34	Joback Method
cpg	191.02	J/mol×K	583.60	Joback Method
cpg	182.97	J/mol×K	547.55	Joback Method
cpg	174.40	J/mol×K	511.50	Joback Method
cpg	165.30	J/mol×K	475.44	Joback Method
cpg	155.66	J/mol×K	439.39	Joback Method
cpg	198.56	J/mol×K	619.65	Joback Method
dvisc	0.0004771	Paxs	403.34	Joback Method
dvisc	0.0005702	Paxs	374.10	Joback Method
dvisc	0.0007023	Paxs	344.86	Joback Method

dvisc	0.0008992	Paxs	315.62	Joback Method
dvisc	0.0012107	Paxs	286.39	Joback Method
dvisc	0.0017444	Paxs	257.15	Joback Method
dvisc	0.0027602	Paxs	227.91	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=B6006657&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6006657&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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