

# 2-Hexene, 2-chloro

<b>Inchi:</b>	InChI=1S/C6H11Cl/c1-3-4-5-6(2)7/h5H,3-4H2,1-2H3/b6-5-
<b>InchiKey:</b>	YZOPWNASQGPFJR-WAYWQWQTSA-N
<b>Formula:</b>	C6H11Cl
<b>SMILES:</b>	CCCC=C(C)Cl
<b>Mol. weight [g/mol]:</b>	118.61

## Physical Properties

Property code	Value	Unit	Source
gf	59.38	kJ/mol	Joback Method
hf	-75.48	kJ/mol	Joback Method
hfus	14.38	kJ/mol	Joback Method
hvap	33.37	kJ/mol	Joback Method
log10ws	-2.84		Crippen Method
logp	2.929		Crippen Method
mvol	103.340	ml/mol	McGowan Method
pc	3177.55	kPa	Joback Method
rinpol	775.00		NIST Webbook
tb	378.15	K	Joback Method
tc	563.28	K	Joback Method
tf	168.26	K	Joback Method
vc	0.402	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	171.45	J/mol×K	378.15	Joback Method
cpg	181.74	J/mol×K	409.00	Joback Method
cpg	191.53	J/mol×K	439.86	Joback Method
cpg	200.84	J/mol×K	470.71	Joback Method
cpg	209.69	J/mol×K	501.57	Joback Method
cpg	218.09	J/mol×K	532.42	Joback Method
cpg	226.08	J/mol×K	563.28	Joback Method

# Sources

<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=R511021&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R511021&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<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>hvac:</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>mccvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<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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