

# 3,5-Dichlorobenzyl alcohol, 2-methylpropyl ether

Inchi:	InChI=1S/C11H14Cl2O/c1-8(2)6-14-7-9-3-10(12)5-11(13)4-9/h3-5,8H,6-7H2,1-2H3
InchiKey:	BALWCLKFQDQKEI-UHFFFAOYSA-N
Formula:	C11H14Cl2O
SMILES:	CC(C)COCc1cc(Cl)cc(Cl)c1
Mol. weight [g/mol]:	233.13

## Physical Properties

Property code	Value	Unit	Source
gf	3.59	kJ/mol	Joback Method
hf	-225.76	kJ/mol	Joback Method
hfus	23.57	kJ/mol	Joback Method
hvap	54.47	kJ/mol	Joback Method
log10ws	-4.24		Crippen Method
logp	4.166		Crippen Method
mcvol	172.440	ml/mol	McGowan Method
pc	2365.67	kPa	Joback Method
rinpol	1553.00		NIST Webbook
rinpol	1553.00		NIST Webbook
tb	584.56	K	Joback Method
tc	800.88	K	Joback Method
tf	332.26	K	Joback Method
vc	0.653	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	382.37	J/mol×K	584.56	Joback Method
cpg	396.17	J/mol×K	620.61	Joback Method
cpg	409.20	J/mol×K	656.67	Joback Method
cpg	421.48	J/mol×K	692.72	Joback Method
cpg	433.01	J/mol×K	728.77	Joback Method
cpg	443.83	J/mol×K	764.82	Joback Method
cpg	453.94	J/mol×K	800.88	Joback Method
dvisc	0.0016170	Paxs	332.26	Joback Method

dvisc	0.0008859	Paxs	374.31	Joback Method
dvisc	0.0005481	Paxs	416.36	Joback Method
dvisc	0.0003703	Paxs	458.41	Joback Method
dvisc	0.0002672	Paxs	500.46	Joback Method
dvisc	0.0002029	Paxs	542.51	Joback Method
dvisc	0.0001602	Paxs	584.56	Joback Method

## Sources

<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=U378135&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U378135&amp;Units=SI</a>
<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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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>

## 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>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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