

# 2-methoxy-5-(1-propenyl)phenol

<b>Inchi:</b>	InChI=1S/C10H12O2/c1-3-4-8-5-6-10(12-2)9(11)7-8/h3-7,11H,1-2H3/b4-3+
<b>InchiKey:</b>	LHJZSWVADJCBNI-ONEGZZNKSA-N
<b>Formula:</b>	C10H12O2
<b>SMILES:</b>	CC=Cc1ccc(OC)c(O)c1
<b>Mol. weight [g/mol]:</b>	164.20
<b>CAS:</b>	501-20-2

## Physical Properties

Property code	Value	Unit	Source
gf	-43.30	kJ/mol	Joback Method
hf	-216.98	kJ/mol	Joback Method
hfus	22.48	kJ/mol	Joback Method
hvap	56.17	kJ/mol	Joback Method
log10ws	-2.38		Crippen Method
logp	2.434		Crippen Method
mcvol	135.440	ml/mol	McGowan Method
pc	3551.53	kPa	Joback Method
ripol	2169.00		NIST Webbook
ripol	2169.00		NIST Webbook
tb	567.06	K	Joback Method
tc	793.89	K	Joback Method
tf	370.27	K	Joback Method
vc	0.452	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	315.41	J/mol×K	567.06	Joback Method
cpg	327.96	J/mol×K	604.87	Joback Method
cpg	339.68	J/mol×K	642.67	Joback Method
cpg	350.65	J/mol×K	680.48	Joback Method
cpg	360.95	J/mol×K	718.28	Joback Method
cpg	370.65	J/mol×K	756.09	Joback Method
cpg	379.83	J/mol×K	793.89	Joback Method

dvisc	0.0012214	Paxs	370.27	Joback Method
dvisc	0.0005246	Paxs	403.07	Joback Method
dvisc	0.0002559	Paxs	435.87	Joback Method
dvisc	0.0001380	Paxs	468.67	Joback Method
dvisc	0.0000807	Paxs	501.46	Joback Method
dvisc	0.0000504	Paxs	534.26	Joback Method
dvisc	0.0000332	Paxs	567.06	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=C501202&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C501202&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>

## 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>mvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>riol:</b>	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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