

# 5-propylguaiaicol

<b>Inchi:</b>	InChI=1S/C10H14O2/c1-3-4-8-5-6-10(12-2)9(11)7-8/h5-7,11H,3-4H2,1-2H3
<b>InchiKey:</b>	TZUORCZPIKYDQG-UHFFFAOYSA-N
<b>Formula:</b>	C10H14O2
<b>SMILES:</b>	CCc1ccc(OC)c(O)c1
<b>Mol. weight [g/mol]:</b>	166.22

## Physical Properties

Property code	Value	Unit	Source
gf	-123.52	kJ/mol	Joback Method
hf	-334.20	kJ/mol	Joback Method
hfus	22.28	kJ/mol	Joback Method
hvap	56.22	kJ/mol	Joback Method
log10ws	-2.36		Crippen Method
logp	2.353		Crippen Method
mvol	139.740	ml/mol	McGowan Method
pc	3341.24	kPa	Joback Method
ripol	2107.00		NIST Webbook
ripol	2107.00		NIST Webbook
tb	562.90	K	Joback Method
tc	779.84	K	Joback Method
tf	375.35	K	Joback Method
vc	0.471	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	335.00	J/molxK	562.90	Joback Method
cpg	348.17	J/molxK	599.06	Joback Method
cpg	360.57	J/molxK	635.21	Joback Method
cpg	372.26	J/molxK	671.37	Joback Method
cpg	383.28	J/molxK	707.52	Joback Method
cpg	393.69	J/molxK	743.68	Joback Method
cpg	403.54	J/molxK	779.84	Joback Method
dvisc	0.0012473	Paxs	375.35	Joback Method

dvisc	0.0005647	Paxs	406.61	Joback Method
dvisc	0.0002863	Paxs	437.87	Joback Method
dvisc	0.0001589	Paxs	469.12	Joback Method
dvisc	0.0000949	Paxs	500.38	Joback Method
dvisc	0.0000602	Paxs	531.64	Joback Method
dvisc	0.0000402	Paxs	562.90	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=R219022&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R219022&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>ripol:</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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