

# 4-Methoxy-2-methylphenol

<b>Inchi:</b>	InChI=1S/C8H10O2/c1-6-5-7(10-2)3-4-8(6)9/h3-5,9H,1-2H3
<b>InchiKey:</b>	PKDVWOVKDPEBQF-UHFFFAOYSA-N
<b>Formula:</b>	C8H10O2
<b>SMILES:</b>	COc1ccc(O)c(C)c1
<b>Mol. weight [g/mol]:</b>	138.16

## Physical Properties

Property code	Value	Unit	Source
gf	-140.36	kJ/mol	Joback Method
hf	-292.92	kJ/mol	Joback Method
hfus	17.10	kJ/mol	Joback Method
hvap	51.76	kJ/mol	Joback Method
log10ws	-1.62		Crippen Method
logp	1.709		Crippen Method
mvol	111.560	ml/mol	McGowan Method
pc	4227.54	kPa	Joback Method
ripol	2639.00		NIST Webbook
tb	517.14	K	Joback Method
tc	741.86	K	Joback Method
tf	352.81	K	Joback Method
vc	0.359	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	246.51	J/molxK	517.14	Joback Method
cpg	257.71	J/molxK	554.59	Joback Method
cpg	268.21	J/molxK	592.05	Joback Method
cpg	278.05	J/molxK	629.50	Joback Method
cpg	287.30	J/molxK	666.95	Joback Method
cpg	296.00	J/molxK	704.40	Joback Method
cpg	304.20	J/molxK	741.86	Joback Method
dvisc	0.0017487	Paxs	352.81	Joback Method
dvisc	0.0008248	Paxs	380.20	Joback Method

dvisc	0.0004303	Paxs	407.59	Joback Method
dvisc	0.0002437	Paxs	434.98	Joback Method
dvisc	0.0001476	Paxs	462.36	Joback Method
dvisc	0.0000946	Paxs	489.75	Joback Method
dvisc	0.0000635	Paxs	517.14	Joback Method

## Sources

<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=U123124&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U123124&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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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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