

# 5,7-Dihydroxy-2-(2-methoxyphenyl)-2,3-dihydro-4H

<b>Inchi:</b>	InChI=1S/C16H14O5/c1-20-13-5-3-2-4-10(13)14-8-12(19)16-11(18)6-9(17)7-15(16)21-14
<b>InchiKey:</b>	IOZGPYPDGKRGMG-UHFFFAOYSA-N
<b>Formula:</b>	C16H14O5
<b>SMILES:</b>	<chem>COc1ccccc1C1CC(=O)c2c(O)cc(O)cc2O1</chem>
<b>Mol. weight [g/mol]:</b>	286.28

## Physical Properties

Property code	Value	Unit	Source
gf	-284.90	kJ/mol	Joback Method
hf	-613.35	kJ/mol	Joback Method
hfus	40.78	kJ/mol	Joback Method
hvap	94.37	kJ/mol	Joback Method
log10ws	-3.44		Crippen Method
logp	2.813		Crippen Method
mcvol	202.970	ml/mol	McGowan Method
pc	3628.97	kPa	Joback Method
tb	918.24	K	Joback Method
tc	1187.19	K	Joback Method
tf	702.84	K	Joback Method
vc	0.642	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	640.24	J/molxK	918.24	Joback Method
cpg	654.09	J/molxK	963.06	Joback Method
cpg	667.49	J/molxK	1007.89	Joback Method
cpg	680.63	J/molxK	1052.71	Joback Method
cpg	693.68	J/molxK	1097.54	Joback Method
cpg	706.84	J/molxK	1142.36	Joback Method
cpg	720.28	J/molxK	1187.19	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=B6007558&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6007558&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>

# 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>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>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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