

# Methyl 2-hydroxy-4-methoxybenzoate, acetate

<b>Inchi:</b>	InChI=1S/C11H12O5/c1-7(12)16-10-6-8(14-2)4-5-9(10)11(13)15-3/h4-6H,1-3H3
<b>InchiKey:</b>	HVPMKAFNQOFPLW-UHFFFAOYSA-N
<b>Formula:</b>	C11H12O5
<b>SMILES:</b>	<chem>COC(=O)c1ccc(OC)cc1OC(C)=O</chem>
<b>Mol. weight [g/mol]:</b>	224.21

## Physical Properties

Property code	Value	Unit	Source
gf	-437.95	kJ/mol	Joback Method
hf	-678.60	kJ/mol	Joback Method
hfus	24.27	kJ/mol	Joback Method
hvap	64.40	kJ/mol	Joback Method
log10ws	-2.15		Crippen Method
logp	1.407		Crippen Method
mcvol	162.840	ml/mol	McGowan Method
pc	2775.92	kPa	Joback Method
rinsol	1684.20		NIST Webbook
tb	662.72	K	Joback Method
tc	876.45	K	Joback Method
tf	431.74	K	Joback Method
vc	0.610	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	410.14	J/molxK	662.72	Joback Method
cpg	422.48	J/molxK	698.34	Joback Method
cpg	434.10	J/molxK	733.96	Joback Method
cpg	444.98	J/molxK	769.58	Joback Method
cpg	455.09	J/molxK	805.21	Joback Method
cpg	464.41	J/molxK	840.83	Joback Method
cpg	472.91	J/molxK	876.45	Joback Method
dvisc	0.0007263	Paxs	431.74	Joback Method
dvisc	0.0004844	Paxs	470.24	Joback Method

dvisc	0.0003435	Paxs	508.73	Joback Method
dvisc	0.0002557	Paxs	547.23	Joback Method
dvisc	0.0001978	Paxs	585.73	Joback Method
dvisc	0.0001580	Paxs	624.22	Joback Method
dvisc	0.0001295	Paxs	662.72	Joback Method

## Sources

<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=U352933&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U352933&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>

## 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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