

# 2-Methoxy-3,6-dichloro-phenol

<b>Inchi:</b>	InChI=1S/C7H6Cl2O2/c1-11-7-5(9)3-2-4(8)6(7)10/h2-3,10H,1H3
<b>InchiKey:</b>	OBRQSFBOZCMSTK-UHFFFAOYSA-N
<b>Formula:</b>	C7H6Cl2O2
<b>SMILES:</b>	COc1c(Cl)ccc(Cl)c1O
<b>Mol. weight [g/mol]:</b>	193.03
<b>CAS:</b>	77102-93-3

## Physical Properties

Property code	Value	Unit	Source
gf	-182.27	kJ/mol	Joback Method
hf	-315.23	kJ/mol	Joback Method
hfus	22.51	kJ/mol	Joback Method
hvap	58.97	kJ/mol	Joback Method
log10ws	-2.51		Crippen Method
logp	2.708		Crippen Method
mcvol	121.950	ml/mol	McGowan Method
pc	4266.28	kPa	Joback Method
tb	574.10	K	Joback Method
tc	813.27	K	Joback Method
tf	343.00 ± 4.00	K	NIST Webbook
vc	0.402	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	246.37	J/mol×K	574.10	Joback Method
cpg	254.56	J/mol×K	613.96	Joback Method
cpg	262.19	J/mol×K	653.82	Joback Method
cpg	269.33	J/mol×K	693.68	Joback Method
cpg	276.01	J/mol×K	733.55	Joback Method
cpg	282.31	J/mol×K	773.41	Joback Method
cpg	288.27	J/mol×K	813.27	Joback Method
dvisc	0.0006281	Paxs	413.90	Joback Method
dvisc	0.0003560	Paxs	440.60	Joback Method

dvisc	0.0002153	Paxs	467.30	Joback Method
dvisc	0.0001375	Paxs	494.00	Joback Method
dvisc	0.0000919	Paxs	520.70	Joback Method
dvisc	0.0000639	Paxs	547.40	Joback Method
dvisc	0.0000460	Paxs	574.10	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=C77102933&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C77102933&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>

## 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>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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