

# 1,5-Dichloro-2,4-dimethoxybenzene

<b>Inchi:</b>	InChI=1S/C8H8Cl2O2/c1-11-7-4-8(12-2)6(10)3-5(7)9/h3-4H,1-2H3
<b>InchiKey:</b>	BGNXWFHKYIWIEQ-UHFFFAOYSA-N
<b>Formula:</b>	C8H8Cl2O2
<b>SMILES:</b>	COc1cc(OC)c(Cl)cc1Cl
<b>Mol. weight [g/mol]:</b>	207.05
<b>CAS:</b>	50375-04-7

## Physical Properties

Property code	Value	Unit	Source
gf	-133.86	kJ/mol	Joback Method
hf	-302.25	kJ/mol	Joback Method
hfus	20.12	kJ/mol	Joback Method
hvap	51.25	kJ/mol	Joback Method
log10ws	-3.08		Crippen Method
logp	3.011		Crippen Method
mcvol	136.040	ml/mol	McGowan Method
pc	3059.17	kPa	Joback Method
tb	543.76	K	Joback Method
tc	765.36	K	Joback Method
tf	348.20	K	Joback Method
vc	0.509	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	268.48	J/molxK	543.76	Joback Method
cpg	278.53	J/molxK	580.69	Joback Method
cpg	288.14	J/molxK	617.63	Joback Method
cpg	297.29	J/molxK	654.56	Joback Method
cpg	305.98	J/molxK	691.49	Joback Method
cpg	314.19	J/molxK	728.42	Joback Method
cpg	321.89	J/molxK	765.36	Joback Method
dvisc	0.0008515	Paxs	348.20	Joback Method
dvisc	0.0005846	Paxs	380.79	Joback Method

dvisc	0.0004258	Paxs	413.39	Joback Method
dvisc	0.0003249	Paxs	445.98	Joback Method
dvisc	0.0002572	Paxs	478.57	Joback Method
dvisc	0.0002098	Paxs	511.17	Joback Method
dvisc	0.0001753	Paxs	543.76	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=C50375047&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C50375047&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>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>mccvol:</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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