

# 1,2,4-Benzenetriol, triacetate

<b>Other names:</b>	Hydroxyhydroquinone triacetate 1,2,4-Triacetoxybenzene 2-Hydroxyhydroquinone triacetate Triacetate d'hydroxyhydroquinone benzene-1,2,4-triyl triacetate
<b>Inchi:</b>	InChI=1S/C12H12O6/c1-7(13)16-10-4-5-11(17-8(2)14)12(6-10)18-9(3)15/h4-6H,1-3H3
<b>InchiKey:</b>	AESFGSJWSUZRGW-UHFFFAOYSA-N
<b>Formula:</b>	C12H12O6
<b>SMILES:</b>	CC(=O)Oc1ccc(OC(C)=O)c(OC(C)=O)c1
<b>Mol. weight [g/mol]:</b>	252.22
<b>CAS:</b>	613-03-6

## Physical Properties

Property code	Value	Unit	Source
gf	-558.45	kJ/mol	Joback Method
hf	-811.82	kJ/mol	Joback Method
hfus	28.46	kJ/mol	Joback Method
hvap	73.37	kJ/mol	Joback Method
log10ws	-2.41		Crippen Method
logp	1.463		Crippen Method
mcvol	178.500	ml/mol	McGowan Method
pc	2681.86	kPa	Joback Method
tb	739.47	K	Joback Method
tc	956.11	K	Joback Method
tf	492.94	K	Joback Method
vc	0.671	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	473.46	J/molxK	739.47	Joback Method
cpg	522.27	J/molxK	920.00	Joback Method
cpg	514.34	J/molxK	883.89	Joback Method
cpg	505.47	J/molxK	847.79	Joback Method

cpg	495.68	J/mol×K	811.68	Joback Method
cpg	485.01	J/mol×K	775.58	Joback Method
cpg	529.23	J/mol×K	956.11	Joback Method
dvisc	0.0001164	Paxs	739.47	Joback Method
dvisc	0.0001418	Paxs	698.38	Joback Method
dvisc	0.0001770	Paxs	657.29	Joback Method
dvisc	0.0002275	Paxs	616.21	Joback Method
dvisc	0.0003031	Paxs	575.12	Joback Method
dvisc	0.0004222	Paxs	534.03	Joback Method
dvisc	0.0006214	Paxs	492.94	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<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=C613036&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C613036&amp;Units=SI</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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