

# 2,4-Di-tert-butyl-6-chlorophenyl-2,2-dichloropropi

<b>Inchi:</b>	InChI=1S/C17H23Cl3O2/c1-15(2,3)10-8-11(16(4,5)6)13(12(18)9-10)22-14(21)17(7,19)20
<b>InchiKey:</b>	OCVAHCOREORPOF-UHFFFAOYSA-N
<b>Formula:</b>	C17H23Cl3O2
<b>SMILES:</b>	CC(Cl)(Cl)C(=O)Oc1c(Cl)cc(C(C)(C)C)cc1C(C)(C)C
<b>Mol. weight [g/mol]:</b>	365.72

## Physical Properties

Property code	Value	Unit	Source
gf	-85.41	kJ/mol	Joback Method
hf	-510.36	kJ/mol	Joback Method
hfus	25.80	kJ/mol	Joback Method
hvap	76.12	kJ/mol	Joback Method
log10ws	-6.43		Crippen Method
logp	6.034		Crippen Method
mcvol	270.790	ml/mol	McGowan Method
pc	1511.67	kPa	Joback Method
tb	808.87	K	Joback Method
tc	1043.34	K	Joback Method
tf	514.51	K	Joback Method
vc	1.018	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	742.88	J/molxK	808.87	Joback Method
cpg	757.61	J/molxK	847.95	Joback Method
cpg	771.24	J/molxK	887.03	Joback Method
cpg	783.87	J/molxK	926.10	Joback Method
cpg	795.63	J/molxK	965.18	Joback Method
cpg	806.63	J/molxK	1004.26	Joback Method
cpg	816.98	J/molxK	1043.34	Joback Method
dvisc	0.0004315	Paxs	514.51	Joback Method
dvisc	0.0002430	Paxs	563.57	Joback Method
dvisc	0.0001500	Paxs	612.63	Joback Method

dvisc	0.0000995	Paxs	661.69	Joback Method
dvisc	0.0000698	Paxs	710.75	Joback Method
dvisc	0.0000513	Paxs	759.81	Joback Method
dvisc	0.0000391	Paxs	808.87	Joback Method

## Sources

<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=B6003950&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6003950&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>
<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>

## 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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