

# 2,3,5-Trichlorophenol, tert-butyldimethylsilyl ether

<b>Other names:</b>	2,3,5-trichlorophenol, TBDMS 2,3,5-Trichlorophenol, tbdms derivative
<b>Inchi:</b>	InChI=1S/C12H17Cl3OSi/c1-12(2,3)17(4,5)16-10-7-8(13)6-9(14)11(10)15/h6-7H,1-5H3
<b>InchiKey:</b>	OYQCOKPUXOUOIK-UHFFFAOYSA-N
<b>Formula:</b>	C12H17Cl3OSi
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)Oc1cc(Cl)cc(Cl)c1Cl
<b>Mol. weight [g/mol]:</b>	311.71

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.79		Crippen Method
logp	6.031		Crippen Method
rinpol	1777.10		NIST Webbook

## Sources

<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>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U333436&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333436&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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