

# Dibenzofuran, 2,3,6,7-tetrachloro

**Other names:** 2,3,6,7-Tetrachlorodibenzofuran  
**Inchi:** InChI=1S/C12H4Cl4O/c13-7-2-1-5-6-3-8(14)9(15)4-10(6)17-12(5)11(7)16/h1-4H  
**InchiKey:** MJCNKMDTLRSHNK-UHFFFAOYSA-N  
**Formula:** C12H4Cl4O  
**SMILES:** Clc1cc2oc3c(Cl)c(Cl)ccc3c2cc1Cl  
**Mol. weight [g/mol]:** 305.97

## Physical Properties

Property code	Value	Unit	Source
log10ws	-11.55		Crippen Method
logp	6.200		Crippen Method
mcvol	176.390	ml/mol	McGowan Method
rinpol	2354.00		NIST Webbook
rinpol	2353.00		NIST Webbook
rinpol	2354.00		NIST Webbook
rinpol	2353.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R29805&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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