

# Dibenzofuran, 1,3,4-trichloro

**Other names:** 1,3,4-trichlorodibenzofuran  
**Inchi:** InChI=1S/C12H5Cl3O/c13-7-5-8(14)11(15)12-10(7)6-3-1-2-4-9(6)16-12/h1-5H  
**InchiKey:** FIPOITUDJFQRRN-UHFFFAOYSA-N  
**Formula:** C12H5Cl3O  
**SMILES:** Clc1cc(Cl)c2c(oc3ccccc32)c1Cl  
**Mol. weight [g/mol]:** 271.53

## Physical Properties

Property code	Value	Unit	Source
log10ws	-10.87		Crippen Method
logp	5.546		Crippen Method
mcvol	164.150	ml/mol	McGowan Method
rinpol	2088.00		NIST Webbook
rinpol	2079.00		NIST Webbook
rinpol	2088.00		NIST Webbook
rinpol	2088.00		NIST Webbook

## Sources

**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=R29467&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

## 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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