

# Dibenzofuran, 2,3,4-trichloro

**Other names:** 2,3,4-trichlorodibenzofuran  
**Inchi:** InChI=1S/C12H5Cl3O/c13-8-5-7-6-3-1-2-4-9(6)16-12(7)11(15)10(8)14/h1-5H  
**InchiKey:** YDLADWBPBKZODCJ-UHFFFAOYSA-N  
**Formula:** C12H5Cl3O  
**SMILES:** Clc1cc2c(oc3ccccc32)c(Cl)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	2148.00		NIST Webbook
rinpol	2156.00		NIST Webbook
rinpol	2148.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=R29798&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

Latest version available from:

<https://www.cheméo.com/cid/47-783-1/Dibenzofuran-2-3-4-trichloro.pdf>

Generated by Cheméo on 2024-04-20 07:00:42.790267108 +0000 UTC m=+15885691.710844423.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.