

# Dibenzofuran, 1,2,7,9-tetrachloro

**Other names:** 1,2,7,9-tetrachlorodibenzofuran  
**Inchi:** InChI=1S/C12H4Cl4O/c13-5-3-7(15)10-9(4-5)17-8-2-1-6(14)12(16)11(8)10/h1-4H  
**InchiKey:** PDMFRPIFZAKMLH-UHFFFAOYSA-N  
**Formula:** C12H4Cl4O  
**SMILES:** Clc1cc(Cl)c2c(c1)oc1ccc(Cl)c(Cl)c12  
**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        | 2341.00 |        | NIST Webbook   |
| rinpol        | 2338.00 |        | NIST Webbook   |
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| rinpol        | 2338.00 |        | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R29346&Units=SI>  
**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>

## 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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