# 1,2,3,4,6-pentachlorodibenzofuran

**Other names:** Dibenzofuran, 1,2,3,4,6-pentachloro
**Inchi:** InChI=1S/C12H3Cl5O/c13-5-3-1-2-4-6-7(14)8(15)9(16)10(17)12(6)18-11(4)5/h1-3H
**InchiKey:** LIQJBAPSLUZUTB-UHFFFAOYSA-N
**Formula:** C12H3Cl5O
**SMILES:** Clc1c(Cl)c(Cl)c2c(oc3c(Cl)cccc32)c1Cl
**Mol. weight [g/mol]:** 340.42

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -12.24 | | Crippen Method |
| logp | 6.853 | | Crippen Method |
| mcvol | 188.630 | ml/mol | McGowan Method |
| rinpol | 2496.00 | | NIST Webbook |
| rinpol | 2504.00 | | NIST Webbook |
| rinpol | 2496.00 | | NIST Webbook |
| rinpol | 2530.00 | | NIST Webbook |

## Sources

**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R29051&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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