

Dibenzofuran, 2,3,4,7,9-pentachloro

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|-----------------------------|--|
| Other names: | 2,3,4,7,9-pentachlorodibenzofuran |
| Inchi: | InChI=1S/C12H3Cl5O/c13-4-1-6(14)9-5-3-7(15)10(16)11(17)12(5)18-8(9)2-4/h1-3H |
| InchiKey: | FRLMQDUYUJIHCZ-UHFFFAOYSA-N |
| Formula: | C12H3Cl5O |
| SMILES: | Clc1cc(Cl)c2c(c1)oc1c(Cl)c(Cl)c(Cl)cc12 |
| 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 | 2467.00 | | NIST Webbook |
| rinpol | 2466.00 | | NIST Webbook |
| rinpol | 2467.00 | | NIST Webbook |

Sources

| | |
|------------------------|---|
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=R29748&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |

Legend

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|-----------------|-------------------------------------|
| 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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