

Dibenzofuran, 3,4,8-trichloro

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|-----------------------------|---|
| Other names: | 3,4,8-trichlorodibenzofuran |
| Inchi: | InChI=1S/C12H5Cl3O/c13-6-1-4-10-8(5-6)7-2-3-9(14)11(15)12(7)16-10/h1-5H |
| InchiKey: | YTZWNIQGGIJHJX-UHFFFAOYSA-N |
| Formula: | C12H5Cl3O |
| SMILES: | Clc1ccc2oc3c(Cl)c(Cl)ccc3c2c1 |
| 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 | 2149.00 | | NIST Webbook |
| rinpol | 2151.00 | | NIST Webbook |
| rinpol | 2149.00 | | NIST Webbook |
| rinpol | 2151.00 | | NIST Webbook |
| rinpol | 2151.00 | | NIST Webbook |

Sources

| | |
|------------------------|---|
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=R30018&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |

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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