

Dibenzofuran, 2,3,4,7-tetrachloro

Other names: 2,3,4,7-Tetrachlorodibenzofuran
Inchi: InChI=1S/C12H4Cl4O/c13-5-1-2-6-7-4-8(14)10(15)11(16)12(7)17-9(6)3-5/h1-4H
InchiKey: BROFYOSLFHTGCQ-UHFFFAOYSA-N
Formula: C12H4Cl4O
SMILES: Clc1ccc2c(c1)oc1c(Cl)c(Cl)c(Cl)cc12
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 | 2337.00 | | NIST Webbook |
| rinpol | 2336.00 | | NIST Webbook |

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R29752&Units=SI>
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>

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.chemeo.com/cid/93-935-1/Dibenzofuran-2-3-4-7-tetrachloro.pdf>

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