# 1,2,4,8-tetrabromo-dibenzofuran

| | |
|---|---|
| **Inchi:** | InChI=1S/C12H4Br4O/c13-5-1-2-9-6(3-5)10-11(16)7(14)4-8(15)12(10)17-9/h1-4H |
| **InchiKey:** | JDPXUSDOGNYUER-UHFFFAOYSA-N |
| **Formula:** | C12H4Br4O |
| **SMILES:** | Brc1ccc2oc3c(Br)cc(Br)c(Br)c3c2c1 |
| **Mol. weight [g/mol]:** | 483.78 |

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -13.47 | | Crippen Method |
| logp | 6.636 | | Crippen Method |
| mcvol | 197.430 | ml/mol | McGowan Method |
| rinpol | 2744.00 | | NIST Webbook |

## Sources

| | |
|---|---|
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=R170799&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 |

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https://www.chemeo.com/cid/20-155-7/1-2-4-8-tetrabromo-dibenzofuran.pdf
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