

# 2,3,4,6-tetrabromo-dibenzofuran

|                             |   |
|-----------------------------|---|
| <b>Inchi:</b>               | InChI=1S/C12H4Br4O/c13-7-3-1-2-5-6-4-8(14)9(15)10(16)12(6)17-11(5)7/h1-4H |
| <b>InchiKey:</b>            | VHPQYVJBQVHKFP-UHFFFAOYSA-N   |
| <b>Formula:</b>             | C12H4Br4O   |
| <b>SMILES:</b>              | BrC1cc2c(oc3c(Br)cccc32)c(Br)c1Br   |
| <b>Mol. weight [g/mol]:</b> | 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        | 2816.00 |        | NIST Webbook   |

## Sources

|                        |   |
|------------------------|---|
| <b>McGowan Method:</b> | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                     |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R171618&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R171618&amp;Units=SI</a> |
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>                                 |
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                         |

## Legend

|                 |                                     |
|-----------------|-------------------------------------|
| <b>log10ws:</b> | Log10 of Water solubility in mol/l  |
| <b>logp:</b>    | Octanol/Water partition coefficient |
| <b>mcvol:</b>   | McGowan's characteristic volume     |
| <b>rinpol:</b>  | Non-polar retention indices         |

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