

# 1,3,4,6,8-pentabromo-dibenzofuran

**Inchi:** InChI=1S/C12H3Br5O/c13-4-1-5-9-6(14)3-7(15)10(17)12(9)18-11(5)8(16)2-4/h1-3H  
**InchiKey:** PLLLQRORRMHTHR-UHFFFAOYSA-N  
**Formula:** C12H3Br5O  
**SMILES:** BrC1cc(Br)c2oc3c(Br)c(Br)cc(Br)c3c2c1  
**Mol. weight [g/mol]:** 562.67

## Physical Properties

Property code	Value	Unit	Source
log10ws	-14.63		Crippen Method
logp	7.398		Crippen Method
mcvol	214.930	ml/mol	McGowan Method
rinpol	3015.00		NIST Webbook
rinpol	3015.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R171034&Units=SI>

## 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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