

# Dibenzofuran, 1,2,4,8,9-pentachloro

<b>Other names:</b>	1,2,4,8,9-pentachlorodibenzofuran
<b>Inchi:</b>	InChI=1S/C12H3Cl5O/c13-4-1-2-7-8(10(4)16)9-11(17)5(14)3-6(15)12(9)18-7/h1-3H
<b>InchiKey:</b>	ZSPAPWGNAGTCCA-UHFFFAOYSA-N
<b>Formula:</b>	C12H3Cl5O
<b>SMILES:</b>	Clc1ccc2oc3c(Cl)cc(Cl)c(Cl)c3c2c1Cl
<b>Mol. weight [g/mol]:</b>	340.42

## Physical Properties

Property code	Value	Unit	Source
log10ws	-12.24		Crippen Method
logp	6.853		Crippen Method
mcvol	188.630	ml/mol	McGowan Method
rinpol	2559.00		NIST Webbook
rinpol	2547.00		NIST Webbook
rinpol	2559.00		NIST Webbook
rinpol	2590.00		NIST Webbook
rinpol	2590.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<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=R29257&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R29257&amp;Units=SI</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

Latest version available from:

<https://www.cheméo.com/cid/36-344-0/Dibenzofuran-1-2-4-8-9-pentachloro.pdf>

Generated by Cheméo on 2026-05-21 17:26:10.196837756 +0000 UTC m=+3149719.254919987.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.