

Dibenzofuran, 1,2,4,7,9-pentachloro

Other names:	1,2,4,7,9-pentachlorodibenzofuran
Inchi:	InChI=1S/C12H3Cl5O/c13-4-1-5(14)9-8(2-4)18-12-7(16)3-6(15)11(17)10(9)12/h1-3H
InchiKey:	IYGVHNHWORPMFU-UHFFFAOYSA-N
Formula:	C12H3Cl5O
SMILES:	Clc1cc(Cl)c2c(c1)oc1c(Cl)cc(Cl)c(Cl)c12
Mol. weight [g/mol]:	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	2486.00		NIST Webbook
rinpol	2479.00		NIST Webbook
rinpol	2486.00		NIST Webbook
rinpol	2479.00		NIST Webbook
rinpol	2479.00		NIST Webbook

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R29239&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

Latest version available from:

<https://www.chemeo.com/cid/12-541-7/Dibenzofuran-1-2-4-7-9-pentachloro.pdf>

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