

Dibenzofuran, 1,2,4,8-tetrachloro

Other names:	1,2,4,8-tetrachlorodibenzofuran
Inchi:	InChI=1S/C12H4Cl4O/c13-5-1-2-9-6(3-5)10-11(16)7(14)4-8(15)12(10)17-9/h1-4H
InchiKey:	BFTASCFRRBHFFK-UHFFFAOYSA-N
Formula:	C12H4Cl4O
SMILES:	Clc1ccc2oc3c(Cl)cc(Cl)c(Cl)c3c2c1
Mol. weight [g/mol]:	305.97

Physical Properties

Property code	Value	Unit	Source
log10ws	-11.55		Crippen Method
logp	6.200		Crippen Method
mcvol	176.390	ml/mol	McGowan Method
rinpol	2274.00		NIST Webbook
rinpol	2274.00		NIST Webbook
rinpol	2270.00		NIST Webbook
rinpol	2274.00		NIST Webbook
rinpol	2270.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=R29261&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.cheméo.com/cid/93-941-4/Dibenzofuran-1-2-4-8-tetrachloro.pdf>

Generated by Cheméo on 2025-02-19 12:57:59.380793796 +0000 UTC m=+3178095.227719425.

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