

Dibenzofuran, 1,3,7,8-tetrachloro

Other names:	1,3,7,8-tetrachlorodibenzofuran
Inchi:	InChI=1S/C12H4Cl4O/c13-5-1-9(16)12-6-3-7(14)8(15)4-10(6)17-11(12)2-5/h1-4H
InchiKey:	CSXDVUGDFSXYTD-UHFFFAOYSA-N
Formula:	C12H4Cl4O
SMILES:	Clc1cc(Cl)c2c(c1)oc1cc(Cl)c(Cl)cc12
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	2313.00		NIST Webbook
rinpol	2263.00		NIST Webbook
rinpol	2264.00		NIST Webbook
rinpol	2263.00		NIST Webbook
rinpol	2263.00		NIST Webbook
rinpol	2313.00		NIST Webbook
rinpol	2264.00		NIST Webbook

Sources

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=R29510&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I

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/85-353-6/Dibenzofuran-1-3-7-8-tetrachloro.pdf>

Generated by Cheméo on 2025-12-25 03:00:01.479656002 +0000 UTC m=+6379799.009696669.

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