

Dibenzofuran, 2,3,4,8-tetrachloro

Other names:	2,3,4,8-Tetrachlorodibenzofuran
Inchi:	InChI=1S/C12H4Cl4O/c13-5-1-2-9-6(3-5)7-4-8(14)10(15)11(16)12(7)17-9/h1-4H
InchiKey:	IIKXRERKNIJJQY-UHFFFAOYSA-N
Formula:	C12H4Cl4O
SMILES:	Clc1ccc2oc3c(Cl)c(Cl)c(Cl)cc3c2c1
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	2340.00		NIST Webbook
rinpol	2342.00		NIST Webbook
rinpol	2340.00		NIST Webbook
rinpol	2342.00		NIST Webbook
rinpol	2340.00		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=R29770&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/61-962-6/Dibenzofuran-2-3-4-8-tetrachloro.pdf>

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