

Dibenzofuran, 1,3,4,7-tetrachloro

Other names: 1,3,4,7-Tetrachlorodibenzofuran
Inchi: InChI=1S/C12H4Cl4O/c13-5-1-2-6-9(3-5)17-12-10(6)7(14)4-8(15)11(12)16/h1-4H
InchiKey: UMKCVDZTSZNRH-UHFFFAOYSA-N
Formula: C12H4Cl4O
SMILES: Clc1ccc2c(c1)oc1c(Cl)c(Cl)cc(Cl)c12
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	2259.00		NIST Webbook
rinpol	2257.00		NIST Webbook
rinpol	2259.00		NIST Webbook
rinpol	2257.00		NIST Webbook
rinpol	2257.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R29435&Units=SI>
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>

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

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