Dibenzofuran, 1,4,7,8-tetrachloro

Other names: 1,4,7,8-tetrachlorodibenzofuran
2,3,6,9-Tetrachlorodibenzofuran
Inchi: InChI=1S/C12H4Cl4O/c13-6-1-2-7(14)12-11(6)5-3-8(15)9(16)4-10(5)17-12/h1-4H
InchiKey: IVRDRRWQABCXLY-UHFFFAOYSA-N
Formula: C12H4Cl4O
SMILES: Clc1cc2oc3c(Cl)ccc(Cl)c3c2cc1Cl
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	2338.00		NIST Webbook
rinpol	2338.00		NIST Webbook
rinpol	2290.00		NIST Webbook
rinpol	2290.00		NIST Webbook
rinpol	2290.00		NIST Webbook
rinpol	2290.00		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=R29613&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