

Dibenzofuran, 1,2,3,4,7,9-hexachloro

Other names: 1,2,3,4,7,9-hexachlorodibenzofuran
Inchi: InChI=1S/C12H2Cl6O/c13-3-1-4(14)6-5(2-3)19-12-7(6)8(15)9(16)10(17)11(12)18/h1-2H
InchiKey: BKIXWRBZCQEZAQ-UHFFFAOYSA-N
Formula: C12H2Cl6O
SMILES: Clc1cc(Cl)c2c(c1)oc1c(Cl)c(Cl)c(Cl)c(Cl)c12
Mol. weight [g/mol]: 374.86

Physical Properties

Property code	Value	Unit	Source
log10ws	-12.92		Crippen Method
logp	7.506		Crippen Method
mcvol	200.870	ml/mol	McGowan Method
rinpol	2720.00		NIST Webbook
rinpol	2719.00		NIST Webbook
rinpol	2720.00		NIST Webbook
rinpol	2720.00		NIST Webbook
rinpol	2719.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R29079&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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