Dibenzofuran, 2,8-dichloro-

Other names:	2,8-Dichlorodibenzo[b,d]furan
	2,8-Dichlorodibenzofuran
Inchi:	InChI=1S/C12H6Cl2O/c13-7-1-3-11-9(5-7)10-6-8(14)2-4-12(10)15-11/h1-6H
InchiKey:	IVVRJIDVYSPKFZ-UHFFFAOYSA-N
Formula:	C12H6Cl2O
SMILES:	Clc1ccc2oc3ccc(Cl)cc3c2c1
Mol. weight [g/mol]:	237.08
CAS:	5409-83-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.21		Aqueous Solubility Prediction Method
logp	4.893		Crippen Method
mcvol	151.910	ml/mol	McGowan Method
rinpol	1935.00		NIST Webbook
rinpol	1936.00		NIST Webbook
rinpol	1935.00		NIST Webbook
rinpol	1935.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	110.30 ± 1.20	kJ/mol	365.50	NIST Webbook

Sources

Solubilities of Selected PCDDs and PCDFs in Water and Various Chloride Solutions:	https://www.doi.org/10.1021/je700185m
Aqueous Solubility Prediction Method:	http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5409836&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices