

Diazene, bis(3-chlorophenyl)-, 1-oxide

Other names:	Azoxybenzene, 3,3'-dichloro- 3,3'-Dichloroazoxybenzene Bis(3-chlorophenyl)diazene, 1-oxide
Inchi:	InChI=1S/C12H8Cl2N2O/c13-9-3-1-5-11(7-9)15-16(17)12-6-2-4-10(14)8-12/h1-8H
InchiKey:	SXCDGVDBGGCCLV-UHFFFAOYSA-N
Formula:	C12H8Cl2N2O
SMILES:	[O-][N+](=Nc1cccc(Cl)c1)c1cccc(Cl)c1
Mol. weight [g/mol]:	267.11
CAS:	139-24-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.77		Crippen Method
logp	4.919		Crippen Method
mcvol	178.430	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C139242&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

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<https://www.chemeo.com/cid/41-491-1/Diazene-bis-3-chlorophenyl-1-oxide.pdf>

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