

1,3-Dichloro-5,5-diphenyl hydantoin

Inchi:	InChI=1S/C15H10Cl2N2O2/c16-18-13(20)15(19(17)14(18)21,11-7-3-1-4-8-11)12-9-5-2-6
InchiKey:	FATMGHVPZCFLDB-UHFFFAOYSA-N
Formula:	C15H10Cl2N2O2
SMILES:	O=C1N(Cl)C(=O)C(c2ccccc2)(c2ccccc2)N1Cl
Mol. weight [g/mol]:	321.16
CAS:	100965-46-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.43		Crippen Method
logp	3.502		Crippen Method
mcvol	211.410	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C100965466&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.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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