

1,3-dichloro-5,5-dimethylimidazolidine-2,4-dione

Inchi:	InChI=1S/C5H6Cl2N2O2/c1-5(2)3(10)8(6)4(11)9(5)7/h1-2H3
InchiKey:	KEQGZUUPPQEDPF-UHFFFAOYSA-N
Formula:	C5H6Cl2N2O2
SMILES:	CC1(C)C(=O)N(Cl)C(=O)N1Cl
Mol. weight [g/mol]:	197.02

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.60		Aqueous Solubility Prediction Method
logp	1.337		Crippen Method
mcvol	118.030	ml/mol	McGowan Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Aqueous Solubility Prediction Method: <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa>

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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