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/ci990307l
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