Iprodione

Other names: 1-Imidazolidinecarboxamide, 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-
1-Isopropyl carbamoyl-3-(3,5-dichlorophenyl)-hydantoin
3-(3,5-Dichlorophenyl)-1-(1-methylethyl)carbamoylhydantion
3-(3,5-Dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide
3-(3,5-dichlorophenyl)-2,4-dioxo-N-isopropylimidazolidine-1-carboxamide
3-(3,5-dichlorophenyl)-2,4-dioxo-N-propan-2-ylimidazolidine-1-carboxamide
Chipco 26019
FA 2071
Glycophen
Glycophene
Iprodial
Kidan
LFA 2043
MRC 910
NRC 910
Promidione
ROP 500 F
RP 26019
Rovral
Rovral 50WP
Rovral Flo
Rovral PM
Verisan

Inchi: InChI=1S/C13H13Cl2N3O3/c1-7(2)16-12(20)17-6-11(19)18(13(17)21)10-4-8(14)3-9(15)5

InchiKey: ONUFESLQCSAYKA-UHFFFAOYSA-N

Formula: C13H13Cl2N3O3

SMILES: CC(C)NC(=O)N1CC(=O)N(c2cc(Cl)cc(Cl)c2)C1=O

Mol. weight [g/mol]: 330.17

CAS: 36734-19-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.38		Aqueous Solubility Prediction Method
log10ws	-4.38		Estimated Solubility Method
logp	2.880		Crippen Method

mcvol	218.540	ml/mol	McGowan Method
rinpol	2439.00		NIST Webbook
rinpol	2452.00		NIST Webbook
rinpol	2439.00		NIST Webbook
rinpol	2452.00		NIST Webbook

Sources

Estimated Solubility Method: http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C36734197&Units=SI

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices