Chlordimeform

Other names:
1-(2-Methyl-4-chlorophenyl)-3,3-dimethylformanidine
Acaron
Bermat
C 8514
CDM
CDM (acaricide)
CIBA 8514
CIBA-C8514
Chlorfenamidine
Chlorodimeform
Chlorophenamidin
Chlorophenamidine
Chlorphenamidine
ENT 27567
ENT-27335
EP-333
Formamidine, N'-(4-chloro-o-tolyl)-N,N-dimethyl-
Fundal
Fundal 500
Fundal SP
Fundex
Galecron
Methanimidamide, N'-(4-chloro-2-methylphenyl)-N,N-dimethyl-
N'-(2-Methyl-4-chlorophenyl)-N,N-dimethylformamidine
N'-(4-Chlor-o-tolyl)-N,N-dimethylformamidin
N'-(4-Chloro-2-methylphenyl)-N,N-dimethylmethanimidamide
N'-(4-Chloro-o-tolyl)-N,N-dimethylformamidine
N,N-Dimethyl-N'-(2-methyl-4-chlorophenyl)formamidine
N,N-Dimethyl-N'-(2-methyl-4-chlorphenyl)-formadin
N,N-Dimethyl-N'-(4-chloro-2-methylphenyl) formamidine
N2-(4-Chloro-o-tolyl)-N1,N1-dimethylformamidine
NSC 190935
Ovatoxion
RS 141
SN 36268
Schering 36,268
Schering 36268
Spanon
Spanone

Inchi: InChI=1S/C10H13ClN2/c1-8-6-9(11)4-5-10(8)12-7-13(2)3/h4-7H,1-3H3

InchiKey: STUSTWKEFDQFFZ-UHFFFAOYSA-N
Formula: C10H13ClN2
SMILES: Cc1cc(Cl)ccc1N=CN(C)C
Mol. weight [g/mol]: 196.68
CAS: 6164-98-3

Physical Properties

Property code	Value	Unit	Source
hf	97.87	kJ/mol	Joback Method
hvap	51.20	kJ/mol	Joback Method
log10ws	-2.86		Estimated Solubility Method
log10ws	-2.86		Aqueous Solubility Prediction Method
logp	2.870		Crippen Method
mcvol	155.900	ml/mol	McGowan Method
pc	2448.32	kPa	Joback Method
rinpol	1688.00		NIST Webbook
rinpol	1666.00		NIST Webbook
rinpol	1655.00		NIST Webbook
tb	591.39	K	Joback Method
tc	818.40	K	Joback Method
tf	305.76 ± 0.20	K	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C6164983&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Joback Method: https://en.wikipedia.org/wiki/Joback_method
Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa
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

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point