Methanimidamide, N'-(4-chlorophenyl)-N,N-dimethyl-

Other names: Formamidine, N'-(p-chlorophenyl)-N,N-dimethyl-
C 4789
N,N-Dimethyl-N'-(p-Chlorophenyl)formamidine
N,N-Dimethyl-N'-(4-chlorophenyl)formamidine
N'-(4-Chlorophenyl)-N,N-dimethylformamidine
Formamidine, 3,3-dimethyl-1-(4-chlorophenyl)

Inchi: InChI=1S/C9H11ClN2/c1-12(2)7-11-9-5-3-8(10)4-6-9/h3-7H,1-2H3

InchiKey: ZPTXBCJETBDOAT-UHFFFAOYSA-N

Formula: C9H11ClN2

SMILES: CN(C)C=Nc1ccc(Cl)cc1

Mol. weight [g/mol]: 182.65

CAS: 2103-46-0

Physical Properties

Property code	Value	Unit	Source
affp	748.00 ± 2.00	kJ/mol	NIST Webbook
hf	129.98	kJ/mol	Joback Method
hvap	48.31	kJ/mol	Joback Method
log10ws	-2.21		Crippen Method
logp	2.561		Crippen Method
mcvol	141.810	ml/mol	McGowan Method
pc	2741.15	kPa	Joback Method
rinpol	1611.00		NIST Webbook
rinpol	1611.00		NIST Webbook
rinpol	1611.00		NIST Webbook
tb	563.53	K	Joback Method
tc	793.91	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2103460&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Joback Method: https://en.wikipedia.org/wiki/Joback_method

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

Legend

affp:	Proton affinity
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