Methanimidamide, N,N-dimethyl-N'-(3-methylphenyl)-

Other names: Formamidine, N,N-dimethyl-N'-m-tolyl-
Formamidine, 3,3-dimethyl-1-(3-methylphenyl)
N'-(3-methyl-phenyl)-N,N-dimethyl-formamidine

Inchi: InChI=1S/C10H14N2/c1-9-5-4-6-10(7-9)11-8-12(2)3/h4-8H,1-3H3

InchiKey: NCXQXIRXTWIUDZ-UHFFFAOYSA-N

Formula: C10H14N2

SMILES: Cc1cccc(N=CN(C)C)c1

Mol. weight [g/mol]: 162.23

CAS: 2305-75-1

Physical Properties

Property code	Value	Unit	Source
hf	125.08	kJ/mol	Joback Method
hvap	46.15	kJ/mol	Joback Method
log10ws	-2.00		Crippen Method
logp	2.216		Crippen Method
mcvol	143.660	ml/mol	McGowan Method
pc	2579.34	kPa	Joback Method
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook
rinpol	1491.00		NIST Webbook
tb	548.98	K	Joback Method
tc	770.87	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2305751&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

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