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

Other names: Formamidine, N'-(m-hydroxyphenyl)-N,N-dimethyl-
m-Dimethylaminomethyleneiminophenol
3-Dimethylaminomethyleniminophenol
N'-(3-hydroxyphenyl)-N,N-dimethylformamidine
formamidine, N,N-dimethyl-N'-(3-hydroxyphenyl)

Inchi: InChI=1S/C9H12N2O/c1-11(2)7-10-8-4-3-5-9(12)6-8/h3-7,12H,1-2H3

InchiKey: RKXRPBBZGFLVTF-UHFFFAOYSA-N

Formula: C9H12N2O

SMILES: CN(C)C=Nc1cccc(O)c1

Mol. weight [g/mol]: 164.20

CAS: 25635-97-6

Physical Properties

Property code	Value	Unit	Source
hf	-20.12	kJ/mol	Joback Method
hvap	56.28	kJ/mol	Joback Method
log10ws	-1.07		Crippen Method
logp	1.614		Crippen Method
mcvol	135.440	ml/mol	McGowan Method
pc	3423.86	kPa	Joback Method
tb	601.74	K	Joback Method
tc	837.54	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C25635976&Units=SI

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

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature