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

Other names: Formamidine, N'-(p-methoxyphenyl)-N,N-dimethyl-
N'-(p-Methoxyphenyl)-N,N-dimethylformamidine
N'-(4-Methoxyphenyl)-N,N-dimethylformamidine
Formamidine, 3,3-dimethyl-1-(4-methoxyphenyl)

Inchi: InChI=1S/C10H14N2O/c1-12(2)8-11-9-4-6-10(13-3)7-5-9/h4-8H,1-3H3

InchiKey: KEHWKNJZSFYKEM-UHFFFAOYSA-N

Formula: C10H14N2O

SMILES: COc1ccc(N=CN(C)C)cc1

Mol. weight [g/mol]: 178.23

CAS: 1202-62-6

Physical Properties

Property code	Value	Unit	Source
hf	-7.14	kJ/mol	Joback Method
hvap	48.56	kJ/mol	Joback Method
ie	6.90 ± 0.10	eV	NIST Webbook
log10ws	-1.64		Crippen Method
logp	1.917		Crippen Method
mcvol	149.530	ml/mol	McGowan Method
pc	2535.37	kPa	Joback Method
rinpol	1636.00		NIST Webbook
rinpol	1636.00		NIST Webbook
tb	571.40	K	Joback Method
tc	790.60	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1202626&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
ie:	Ionization energy
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