

# Methanimidamide, N,N-dimethyl-N'-(4-methylphenyl)-

<b>Other names:</b>	Formamidine, N,N-dimethyl-N'-p-tolyl- N,N-Dimethyl-N'-(4-methylphenyl)formamidine N,N-Dimethyl-N'-p-tolylformamidine N,N-Dimethyl-N'-(4-methylphenyl)imidoforamidide Formamidine, 3,3-dimethyl-1-(4-methylphenyl) N'-(4-Methyl-phenyl)-N,N-dimethyl-formamidine
<b>Inchi:</b>	InChI=1S/C10H14N2/c1-9-4-6-10(7-5-9)11-8-12(2)3/h4-8H,1-3H3
<b>InchiKey:</b>	NOBRDGQOCLNSSL-UHFFFAOYSA-N
<b>Formula:</b>	C10H14N2
<b>SMILES:</b>	<chem>Cc1ccc(N=CN(C)C)cc1</chem>
<b>Mol. weight [g/mol]:</b>	162.23
<b>CAS:</b>	7549-96-4

## 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	1493.00		NIST Webbook
rinpol	1493.00		NIST Webbook
tb	548.98	K	Joback Method
tc	770.87	K	Joback Method

## Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C7549964&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7549964&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>

# Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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