

# Methanimidamide, N,N'-diphenyl-

<b>Other names:</b>	N,N'-Diphenylformamidine Diphenylformamidine Formamidine, N,N'-diphenyl- N,N'-Diphenylmethanimidamide
<b>Inchi:</b>	InChI=1S/C13H12N2/c1-3-7-12(8-4-1)14-11-15-13-9-5-2-6-10-13/h1-11H,(H,14,15)
<b>InchiKey:</b>	ZQUVDXMIKIVNOW-UHFFFAOYSA-N
<b>Formula:</b>	C13H12N2
<b>SMILES:</b>	<chem>C(=Nc1ccccc1)Nc1ccccc1</chem>
<b>Mol. weight [g/mol]:</b>	196.25
<b>CAS:</b>	622-15-1

## Physical Properties

Property code	Value	Unit	Source
hf	297.10	kJ/mol	Joback Method
hvap	58.83	kJ/mol	Joback Method
log10ws	-3.36		Crippen Method
logp	3.458		Crippen Method
mvol	162.170	ml/mol	McGowan Method
pc	2781.78	kPa	Joback Method
rmpol	1933.00		NIST Webbook
rmpol	1933.00		NIST Webbook
tb	677.05	K	Joback Method
tc	934.65	K	Joback Method

## Sources

<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>
<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=C622151&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C622151&amp;Units=SI</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>r<sub>inpol</sub>:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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