

# N,N-Dimethyl-N'-(4-methylphenyl)-p-methylbenzaldehyde

Inchi:	lnChI=1S/C17H20N2/c1-13-5-9-15(10-6-13)17(19(3)4)18-16-11-7-14(2)8-12-16/h5-12H,1-4H2
InchiKey:	IHVKZBISZYZETC-ISLYRVAYSA-N
Formula:	C17H20N2
SMILES:	Cc1ccc(N=C(c2ccc(C)cc2)N(C)C)cc1
Mol. weight [g/mol]:	252.35

## Physical Properties

Property code	Value	Unit	Source
hf	195.87	kJ/mol	Joback Method
hvap	64.75	kJ/mol	Joback Method
log10ws	-4.19		Crippen Method
logp	3.943		Crippen Method
mcvol	218.530	ml/mol	McGowan Method
pc	1857.91	kPa	Joback Method
rinpol	1974.00		NIST Webbook
rinpol	1974.00		NIST Webbook
tb	740.68	K	Joback Method
tc	981.42	K	Joback Method

## Sources

Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
Joback Method:	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R159009&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R159009&amp;Units=SI</a>

## Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</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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