

# N,N-Dimethyl-N'-(4-chlorophenyl)-p-methylbenzene

Inchi:	InChI=1S/C16H17ClN2/c1-12-4-6-13(7-5-12)16(19(2)3)18-15-10-8-14(17)9-11-15/h4-11H
InchiKey:	JNLJQEGBUYCEHE-FBMGVBCSA-N
Formula:	C16H17ClN2
SMILES:	Cc1ccc(C(=Nc2ccc(Cl)cc2)N(C)C)cc1
Mol. weight [g/mol]:	272.77

## Physical Properties

Property code	Value	Unit	Source
hf	200.77	kJ/mol	Joback Method
hvap	66.91	kJ/mol	Joback Method
log10ws	-4.40		Crippen Method
logp	4.288		Crippen Method
mcvol	216.680	ml/mol	McGowan Method
pc	1956.14	kPa	Joback Method
rinpol	2112.00		NIST Webbook
tb	755.23	K	Joback Method
tc	1003.10	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=R158888&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R158888&amp;Units=SI</a>

## Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	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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