

# N,N-Dimethyl-2-phenyl-N'-(4-chlorophenyl)-acetar

**Inchi:** InChI=1S/C16H17ClN2/c1-19(2)16(12-13-6-4-3-5-7-13)18-15-10-8-14(17)9-11-15/h3-11H  
**InchiKey:** UWQYXOOXEOJXGI-FBMGVBCBSA-N  
**Formula:** C16H17ClN2  
**SMILES:** CN(C)C(Cc1ccccc1)=Nc1ccc(Cl)cc1  
**Mol. weight [g/mol]:** 272.77

## Physical Properties

Property code	Value	Unit	Source
hf	212.24	kJ/mol	Joback Method
hvap	66.25	kJ/mol	Joback Method
log10ws	-4.24		Crippen Method
logp	4.174		Crippen Method
mcvol	216.680	ml/mol	McGowan Method
pc	1982.35	kPa	Joback Method
rinpol	2272.00		NIST Webbook
tb	750.25	K	Joback Method
tc	997.36	K	Joback Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R162199&Units=SI>

## 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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