

# N,N-Dimethyl-N'-(3-chlorophenyl)-propionamide

**Inchi:** InChI=1S/C11H15ClN2/c1-4-11(14(2)3)13-10-7-5-6-9(12)8-10/h5-8H,4H2,1-3H3/b13-11+  
**InchiKey:** WJYPUACTLIXWJR-ACCUITESSA-N  
**Formula:** C11H15ClN2  
**SMILES:** CCC(=Nc1cccc(Cl)c1)N(C)C  
**Mol. weight [g/mol]:** 210.70

## Physical Properties

Property code	Value	Unit	Source
hf	78.91	kJ/mol	Joback Method
hvap	52.84	kJ/mol	Joback Method
log10ws	-3.05		Crippen Method
logp	3.342		Crippen Method
mcvol	169.990	ml/mol	McGowan Method
pc	2274.07	kPa	Joback Method
rinpol	1713.00		NIST Webbook
rinpol	1713.00		NIST Webbook
tb	609.17	K	Joback Method
tc	834.93	K	Joback Method

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R161894&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>  
**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)

## 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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