

# Propanamide, N-(3-chlorophenyl)-2-methyl-

<b>Inchi:</b>	InChI=1S/C10H12ClNO/c1-7(2)10(13)12-9-5-3-4-8(11)6-9/h3-7H,1-2H3,(H,12,13)
<b>InchiKey:</b>	XJJWNMFVLXRGNJ-UHFFFAOYSA-N
<b>Formula:</b>	C10H12ClNO
<b>SMILES:</b>	CC(C)C(O)=Nc1cccc(Cl)c1
<b>Mol. weight [g/mol]:</b>	197.66

## Physical Properties

Property code	Value	Unit	Source
hf	-125.49	kJ/mol	Joback Method
hvap	64.86	kJ/mol	Joback Method
log10ws	-3.14		Crippen Method
logp	3.584		Crippen Method
mcpvol	151.790	ml/mol	McGowan Method
pc	2773.00	kPa	Joback Method
rinpol	1639.00		NIST Webbook
rinpol	1639.00		NIST Webbook
tb	665.59	K	Joback Method
tc	885.17	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=U307321&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U307321&amp;Units=SI</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvap:</b>	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

Latest version available from:

<https://www.cheméo.com/cid/94-276-2/Propanamide-N-3-chlorophenyl-2-methyl.pdf>

Generated by Cheméo on 2024-04-25 04:19:50.954039765 +0000 UTC m=+16308039.874617078.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.