

# 2-Chloro-2',6'-acetoxylidide

<b>Other names:</b>	N-Chloroacetyl-2,6-dimethylaniline Acetamide, 2-chloro-N-(2,6-dimethylphenyl)- Chloroaceto-2,6-xylidide 1-Chloroacetyl amino-2,6-dimethylbenzene 2-Chloro-N-(2,6-dimethylphenyl)acetamide 2-Chloro-2',6'-dimethylacetanilide 2-Chloroaceto-2,6-xylidide 2',6'-Acetoxylidide, 2-chloro- Chloroacet-2,6-xylidide Chloroacetamido-2,6-xylidine NSC 37260
<b>Inchi:</b>	InChI=1S/C10H12ClNO/c1-7-4-3-5-8(2)10(7)12-9(13)6-11/h3-5H,6H2,1-2H3,(H,12,13)
<b>InchiKey:</b>	FPQQSNUTBWFFLB-UHFFFAOYSA-N
<b>Formula:</b>	C10H12ClNO
<b>SMILES:</b>	Cc1ccccc(C)c1N=C(O)CCl
<b>Mol. weight [g/mol]:</b>	197.66
<b>CAS:</b>	1131-01-7

## Physical Properties

Property code	Value	Unit	Source
hf	-131.68	kJ/mol	Joback Method
hvap	65.91	kJ/mol	Joback Method
log10ws	-2.96		Crippen Method
logp	3.130		Crippen Method
mcvol	151.790	ml/mol	McGowan Method
pc	2707.03	kPa	Joback Method
tb	671.01	K	Joback Method
tc	887.30	K	Joback Method

## Sources

<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=C1131017&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1131017&amp;Units=SI</a>

**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)

## 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>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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