

# Pyridone, 2(1h)-, 4-chloro-3-nitro-

<b>Inchi:</b>	InChI=1S/C5H3ClN2O3/c6-3-1-2-7-5(9)4(3)8(10)11/h1-2H,(H,7,9)
<b>InchiKey:</b>	UKIZCTHOMJXNIX-UHFFFAOYSA-N
<b>Formula:</b>	C5H3ClN2O3
<b>SMILES:</b>	O=c1[nH]ccc(Cl)c1[N+](=O)[O-]
<b>Mol. weight [g/mol]:</b>	174.54
<b>CAS:</b>	165547-79-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.45		Crippen Method
logp	0.455		Crippen Method
mcvol	103.060	ml/mol	McGowan Method

## Sources

<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=C165547795&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C165547795&amp;Units=SI</a>
<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>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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