

# 2-Hydroxy-3-nitropyridine

<b>Other names:</b>	3-Nitro-2-hydroxypyridine 3-Nitro-2-pyridinol 2-Pyridinol, 3-nitro- 2(1H)-Pyridone, 3-nitro- 2(1H)-Pyridinone, 3-nitro- Pyridine, 2-hydroxy-3-nitro 3-nitropyridin-2-ol
<b>Inchi:</b>	InChI=1S/C5H4N2O3/c8-5-4(7(9)10)2-1-3-6-5/h1-3H,(H,6,8)
<b>InchiKey:</b>	BOAFCICMVMFLIT-UHFFFAOYSA-N
<b>Formula:</b>	C5H4N2O3
<b>SMILES:</b>	O=[N+](O-)c1cccnc1O
<b>Mol. weight [g/mol]:</b>	140.10
<b>CAS:</b>	6332-56-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.44		Crippen Method
logp	0.695		Crippen Method
mvol	90.820	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=C6332565&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6332565&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

**mcvol:** McGowan's characteristic volume

Latest version available from:

<https://www.cheméo.com/cid/119-353-8/2-Hydroxy-3-nitropyridine.pdf>

Generated by Cheméo on 2024-04-29 09:15:17.850279158 +0000 UTC m=+16671366.770856474.

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