

# 2,6-Lutidine-N-oxide

<b>Other names:</b>	1-Oxide-2,6-lutidine 2,6-Dimethylpyridine N-oxide 2,6-Dimethylpyridine oxide 2,6-Dimethylpyridine-1-oxide 2,6-Dimethylpyridinium N-oxide 2,6-Lutidine oxide 2,6-Lutidine-1-oxide 2,6-dimethylpyridine-N-oxide 2,6-lutadine, 1-oxide- IVIN NSC 18258 NSC 60738 Pyridine, 2,6-dimethyl-, 1-oxide
<b>Inchi:</b>	InChI=1S/C7H9NO/c1-6-4-3-5-7(2)8(6)9/h3-5H,1-2H3
<b>InchiKey:</b>	LIDGFHXPUOJZMK-UHFFFAOYSA-N
<b>Formula:</b>	C7H9NO
<b>SMILES:</b>	Cc1cccc(C)[n+]1[O-]
<b>Mol. weight [g/mol]:</b>	123.15
<b>CAS:</b>	1073-23-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.95		Crippen Method
logp	0.937		Crippen Method
mcpvol	101.580	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Toward an inherently safer alternative for operating N-oxidation of 2,6-lutidine: Effect of N-oxide on lutidine - water phase separation:</b>	<a href="https://www.doi.org/10.1016/j.tca.2017.08.007">https://www.doi.org/10.1016/j.tca.2017.08.007</a>
<b>NIST Webbook:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1073230&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1073230&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>

# 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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