

# 7-Methyl 8-nitroquinoline

<b>Other names:</b>	Quinoline, 7-methyl-8-nitro- 8-Nitro-7-methylquinoline
<b>Inchi:</b>	InChI=1S/C10H8N2O2/c1-7-4-5-8-3-2-6-11-9(8)10(7)12(13)14/h2-6H,1H3
<b>InchiKey:</b>	ZZDTVYJYMRSNQL-UHFFFAOYSA-N
<b>Formula:</b>	C10H8N2O2
<b>SMILES:</b>	<chem>Cc1ccc2cccnc2c1[N+](=O)[O-]</chem>
<b>Mol. weight [g/mol]:</b>	188.18
<b>CAS:</b>	7471-63-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.17		Crippen Method
logp	2.451		Crippen Method
mcvol	135.940	ml/mol	McGowan Method
rinpol	305.75		NIST Webbook

## 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>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=C7471638&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7471638&amp;Units=SI</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
<b>rinpol:</b>	Non-polar retention indices

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