

# Piperidine, 1-(4-nitrophenyl)-

<b>Other names:</b>	1-(4-nitrophenyl)piperidine
<b>Inchi:</b>	InChI=1S/C11H14N2O2/c14-13(15)11-6-4-10(5-7-11)12-8-2-1-3-9-12/h4-7H,1-3,8-9H2
<b>InchiKey:</b>	SGPLAXFU DTWHRS-UHFFFAOYSA-N
<b>Formula:</b>	C11H14N2O2
<b>SMILES:</b>	O=[N+]([O-])c1ccc(N2CCCCC2)cc1
<b>Mol. weight [g/mol]:</b>	206.24
<b>CAS:</b>	6574-15-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.18		Crippen Method
logp	2.585		Crippen Method
mcvol	158.630	ml/mol	McGowan Method
tf	375.65 ± 2.00	K	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=C6574158&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6574158&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>tf:</b>	Normal melting (fusion) point

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