

# 5,6-Dimethyl-1,10-phenanthroline

<b>Other names:</b>	1,10-Phenanthroline, 5,6-dimethyl-
<b>Inchi:</b>	InChI=1S/C14H12N2/c1-9-10(2)12-6-4-8-16-14(12)13-11(9)5-3-7-15-13/h3-8H,1-2H3
<b>InchiKey:</b>	BRPQDJPJBCQFSR-UHFFFAOYSA-N
<b>Formula:</b>	C14H12N2
<b>SMILES:</b>	Cc1c(C)c2cccnc2c2ncccc12
<b>Mol. weight [g/mol]:</b>	208.26
<b>CAS:</b>	3002-81-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.56		Crippen Method
logp	3.400		Crippen Method
mcvol	165.400	ml/mol	McGowan Method

## 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=C3002811&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3002811&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

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