

# Piperidine, 1-(1-oxo-3-phenyl-2-propenyl)-

<b>Other names:</b>	Piperidine, 1-cinnamoyl- 1-Cinnamoylpiperidine N-(3-Phenylpropenoyl)piperidine Piperidine, N-[3-phenylpropenoryl]-
<b>Inchi:</b>	InChI=1S/C14H17NO/c16-14(15-11-5-2-6-12-15)10-9-13-7-3-1-4-8-13/h1,3-4,7-10H,2,5-
<b>InchiKey:</b>	KNOXUMZPTHELAO-MDZDMXLPSA-N
<b>Formula:</b>	C14H17NO
<b>SMILES:</b>	O=C(C=Cc1ccccc1)N1CCCCC1
<b>Mol. weight [g/mol]:</b>	215.29
<b>CAS:</b>	5422-81-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.05		Crippen Method
logp	2.712		Crippen Method
mcvol	180.750	ml/mol	McGowan Method
rinpol	2090.00		NIST Webbook
rinpol	2088.00		NIST Webbook
rinpol	2090.00		NIST Webbook
rinpol	2088.00		NIST Webbook

## 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=C5422811&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5422811&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

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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