

# Piperidine, 1,4-dimethyl-

<b>Other names:</b>	1,4-Dimethylpiperidine
<b>Inchi:</b>	InChI=1S/C7H15N/c1-7-3-5-8(2)6-4-7/h7H,3-6H2,1-2H3
<b>InchiKey:</b>	TVSMLBGFGKLOO-UHFFFAOYSA-N
<b>Formula:</b>	C7H15N
<b>SMILES:</b>	CC1CCN(C)CC1
<b>Mol. weight [g/mol]:</b>	113.20
<b>CAS:</b>	695-15-8

## Physical Properties

Property code	Value	Unit	Source
ie	7.79 ± 0.05	eV	NIST Webbook
log10ws	-0.98		Crippen Method
logp	1.348		Crippen Method
mcvol	108.610	ml/mol	McGowan Method
rinpol	831.00		NIST Webbook
rinpol	820.00		NIST Webbook
ripol	970.00		NIST Webbook

## 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>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=C695158&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C695158&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>

## Legend

<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

**rinpol:** Non-polar retention indices

**ripol:** Polar retention indices

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