

# Oxazole, 2,5-dimethyl-

<b>Other names:</b>	2,5-dimethyloxazole
<b>Inchi:</b>	InChI=1S/C5H7NO/c1-4-3-6-5(2)7-4/h3H,1-2H3
<b>InchiKey:</b>	NSAUQTCATRWAJC-UHFFFAOYSA-N
<b>Formula:</b>	C5H7NO
<b>SMILES:</b>	Cc1cnc(C)o1
<b>Mol. weight [g/mol]:</b>	97.12
<b>CAS:</b>	23012-11-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.92		Crippen Method
logp	1.291		Crippen Method
mcvol	77.700	ml/mol	McGowan Method
ripol	765.00		NIST Webbook
ripol	765.00		NIST Webbook
ripol	765.00		NIST Webbook
ripol	765.00		NIST Webbook
ripol	730.00		NIST Webbook
ripol	1145.00		NIST Webbook
ripol	1145.00		NIST Webbook
ripol	1094.00		NIST Webbook
ripol	1134.00		NIST Webbook
ripol	1145.00		NIST Webbook
ripol	1131.00		NIST Webbook
ripol	1132.00		NIST Webbook
ripol	1133.00		NIST Webbook
ripol	1134.00		NIST Webbook
ripol	1131.00		NIST Webbook
ripol	1145.00		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>

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C23012115&Units=SI>

**Crippen Method:**

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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
<b>ripol:</b>	Polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/88-071-6/Oxazole-2-5-dimethyl.pdf>

Generated by Cheméo on 2024-05-02 23:46:46.108909658 +0000 UTC m=+16982855.029486976.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.