

# Oxazole, 2-(3-methoxyphenyl)-5-phenyl-

<b>Other names:</b>	2-(3-methoxyphenyl)-5-phenyloxazole
<b>Inchi:</b>	InChI=1S/C16H13NO2/c1-18-14-9-5-8-13(10-14)16-17-11-15(19-16)12-6-3-2-4-7-12/h2-
<b>InchiKey:</b>	NWCFKCRZJQLJDJ-UHFFFAOYSA-N
<b>Formula:</b>	C16H13NO2
<b>SMILES:</b>	COc1cccc(-c2ncc(-c3ccccc3)o2)c1
<b>Mol. weight [g/mol]:</b>	251.28
<b>CAS:</b>	38705-20-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-10.30		Crippen Method
logp	4.017		Crippen Method
mcvol	191.040	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=C38705203&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C38705203&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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