

# 2-Phenyl-5-methoxy-oxadiazol-1,3,4

<b>Other names:</b>	2-Phenyl-5-methoxy-1,3,4-oxadiazole
<b>Inchi:</b>	InChI=1S/C9H8N2O2/c1-12-9-11-10-8(13-9)7-5-3-2-4-6-7/h2-6H,1H3
<b>InchiKey:</b>	DGIMGUWIDYWIEO-UHFFFAOYSA-N
<b>Formula:</b>	C9H8N2O2
<b>SMILES:</b>	COc1nnc(-c2ccccc2)o1
<b>Mol. weight [g/mol]:</b>	176.17
<b>CAS:</b>	51627-42-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.46		Crippen Method
logp	1.745		Crippen Method
mcvol	126.150	ml/mol	McGowan Method

## 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=C51627420&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C51627420&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

<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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