

# Methidathion oxon

<b>Other names:</b>	Supracide oxygen analog
<b>Inchi:</b>	InChI=1S/C6H11N2O5PS2/c1-11-5-7-8(6(9)16-5)4-15-14(10,12-2)13-3/h4H2,1-3H3
<b>InchiKey:</b>	IJJYBBGONNNPOR-UHFFFAOYSA-N
<b>Formula:</b>	C6H11N2O5PS2
<b>SMILES:</b>	COc1nn(CSP(=O)(OC)OC)c(=O)s1
<b>Mol. weight [g/mol]:</b>	286.27

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.03		Crippen Method
logp	1.405		Crippen Method
mcvol	178.410	ml/mol	McGowan Method
rinqol	2023.00		NIST Webbook

## 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=U290118&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U290118&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
<b>rinqol:</b>	Non-polar retention indices

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