

# Phosphonic acid, methyl-, diphenyl ester

<b>Other names:</b>	diphenyl methylphosphonate
<b>Inchi:</b>	InChI=1S/C13H13O3P/c1-17(14,15-12-8-4-2-5-9-12)16-13-10-6-3-7-11-13/h2-11H,1H3
<b>InchiKey:</b>	HPUPGAFDTWIMBR-UHFFFAOYSA-N
<b>Formula:</b>	C13H13O3P
<b>SMILES:</b>	CP(=O)(Oc1ccccc1)Oc1ccccc1
<b>Mol. weight [g/mol]:</b>	248.21
<b>CAS:</b>	7526-26-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.22		Crippen Method
logp	3.967		Crippen Method
mcvol	184.580	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=C7526263&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C7526263&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>
<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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