

# Phosphinic acid, diphenyl-, tetramethylene ester

<b>Inchi:</b>	InChI=1S/C28H28O4P2/c29-33(25-15-5-1-6-16-25,26-17-7-2-8-18-26)31-23-13-14-24-32
<b>InchiKey:</b>	DHCGGQVVDXDHYFI-UHFFFAOYSA-N
<b>Formula:</b>	C28H28O4P2
<b>SMILES:</b>	O=P(OCCCCOP(=O)(c1ccccc1)c1ccccc1)(c1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	490.47
<b>CAS:</b>	4151-25-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-26.24		Crippen Method
logp	5.658		Crippen Method
mcvol	374.740	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=C4151251&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4151251&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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