

# Phosphonic diamide, n,n'-di-p-tolyl

<b>Inchi:</b>	InChI=1S/C14H17N2OP/c1-11-3-7-13(8-4-11)15-18(17)16-14-9-5-12(2)6-10-14/h3-10,18
<b>InchiKey:</b>	DGQJHFLUKVMWJZ-UHFFFAOYSA-N
<b>Formula:</b>	C14H17N2OP
<b>SMILES:</b>	Cc1ccc(N[PH](=O)Nc2ccc(C)cc2)cc1
<b>Mol. weight [g/mol]:</b>	260.27
<b>CAS:</b>	42597-24-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.71		Crippen Method
logp	4.217		Crippen Method
mcvol	206.890	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C42597240&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C42597240&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>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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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