

# Triphenylphosphonium cyclopentadienylide

<b>Other names:</b>	(Cyclopentadienylidene)triphenylphosphorane Phosphonium, triphenyl-, cyclopentadienylide 2,4-Cyclopentadien-1-ylidene(triphenyl)phosphorane
<b>Inchi:</b>	InChI=1S/C23H19P/c1-4-12-20(13-5-1)24(23-18-10-11-19-23,21-14-6-2-7-15-21)22-16-8
<b>InchiKey:</b>	MXGWLWRRROFTJDZ-UHFFFAOYSA-N
<b>Formula:</b>	C23H19P
<b>SMILES:</b>	<chem>C1=CC(=P(c2ccccc2)(c2ccccc2)c2ccccc2)C=C1</chem>
<b>Mol. weight [g/mol]:</b>	326.37
<b>CAS:</b>	29473-30-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-14.96		Crippen Method
logp	4.279		Crippen Method
mcvol	264.650	ml/mol	McGowan Method

## 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=C29473301&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C29473301&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

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