

# Diphenyl-n-butylphosphine

<b>Other names:</b>	n-Butyldiphenylphosphine Phosphine, butyldiphenyl- butyldiphenylphosphine
<b>Inchi:</b>	InChI=1S/C16H19P/c1-2-3-14-17(15-10-6-4-7-11-15)16-12-8-5-9-13-16/h4-13H,2-3,14H2
<b>InchiKey:</b>	WXMZPPIDLJRXNK-UHFFFAOYSA-N
<b>Formula:</b>	C16H19P
<b>SMILES:</b>	CCCCP(c1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	242.30
<b>CAS:</b>	6372-41-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-9.35		Crippen Method
logp	3.919		Crippen Method
mcvol	209.240	ml/mol	McGowan Method

## Sources

<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=C6372414&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6372414&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>

## 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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