

# Phosphonic dichloride, phenyl-

<b>Other names:</b>	Benzenephosphonic dichloride Benzenephosphonyl chloride Dichlorophenylphosphine oxide Phenyldichlorophosphine oxide Phenylphosphonic acid dichloride Phenylphosphonic dichloride Phenylphosponodichloridic acid Phenylphosphonyl dichloride Benzenephosphorus oxydichloride Phosphonyldichloride, phenyl- NSC 66477 Phosphonic dichloride, P-phenyl-
<b>Inchi:</b>	InChI=1S/C6H5Cl2OP/c7-10(8,9)6-4-2-1-3-5-6/h1-5H
<b>InchiKey:</b>	IBDMRHDXAQZJAP-UHFFFAOYSA-N
<b>Formula:</b>	C6H5Cl2OP
<b>SMILES:</b>	O=P(Cl)(Cl)c1ccccc1
<b>Mol. weight [g/mol]:</b>	194.98
<b>CAS:</b>	824-72-6

## Physical Properties

Property code	Value	Unit	Source
ie	9.95	eV	NIST Webbook
log10ws	-8.40		Crippen Method
logp	2.983		Crippen Method
mcvol	122.450	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C824726&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C824726&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>ie:</b>	Ionization energy
<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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