

# Phosphoric acid, diethyl phenyl ester

<b>Other names:</b>	Diethyl phenyl phosphate
<b>Inchi:</b>	InChI=1S/C10H15O4P/c1-3-12-15(11,13-4-2)14-10-8-6-5-7-9-10/h5-9H,3-4H2,1-2H3
<b>InchiKey:</b>	DHTQKXHLXVUBCF-UHFFFAOYSA-N
<b>Formula:</b>	C10H15O4P
<b>SMILES:</b>	CCOP(=O)(OCC)Oc1ccccc1
<b>Mol. weight [g/mol]:</b>	230.20
<b>CAS:</b>	2510-86-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.29		Crippen Method
logp	3.247		Crippen Method
mcvol	171.940	ml/mol	McGowan Method
rinpol	1502.00		NIST Webbook
rinpol	1502.00		NIST Webbook
ripol	2210.00		NIST Webbook
ripol	2210.00		NIST Webbook

## 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=C2510863&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2510863&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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
<b>ripol:</b>	Non-polar retention indices

**ripol:** Polar retention indices

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