

# Phenylphosphonic acid, ethyl pentadecyl ester

Inchi:	InChI=1S/C23H41O3P/c1-3-5-6-7-8-9-10-11-12-13-14-15-19-22-26-27(24,25-4-2)23-20-
InchiKey:	GEGFQJPWGSCZID-UHFFFAOYSA-N
Formula:	C23H41O3P
SMILES:	CCCCCCCCCCCCCOP(=O)(OCC)c1ccccc1
Mol. weight [g/mol]:	396.54

## Physical Properties

Property code	Value	Unit	Source
log10ws	-13.39		Crippen Method
logp	7.649		Crippen Method
mcvol	349.240	ml/mol	McGowan Method
rinpol	2820.00		NIST Webbook
rinpol	2820.00		NIST Webbook

## Sources

McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U393265&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U393265&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>

## Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices

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