

# Phenylphosphonic acid, hexyl propyl ester

**Inchi:** InChI=1S/C15H25O3P/c1-3-5-6-10-14-18-19(16,17-13-4-2)15-11-8-7-9-12-15/h7-9,11-12  
**InchiKey:** UQUWMVKFBVMWMA-UHFFFAOYSA-N  
**Formula:** C15H25O3P  
**SMILES:** CCCCCCOP(=O)(OCCC)c1ccccc1  
**Mol. weight [g/mol]:** 284.33

## Physical Properties

Property code	Value	Unit	Source
log10ws	-10.04		Crippen Method
logp	4.529		Crippen Method
mcvol	236.520	ml/mol	McGowan Method
rinpol	1998.00		NIST Webbook
rinpol	1998.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U393216&Units=SI>

## Legend

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

Latest version available from:

<https://www.cheméo.com/cid/91-214-3/Phenylphosphonic-acid-hexyl-propyl-ester.pdf>

Generated by Cheméo on 2024-04-26 16:44:16.50851228 +0000 UTC m=+16439105.429089597.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.