

# Phosphinic acid, isooctyl-, isobutyl ester

**Inchi:** InChI=1S/C12H27O2P/c1-11(2)8-6-5-7-9-15(13)14-10-12(3)4/h11-12,15H,5-10H2,1-4H3  
**InchiKey:** HCJQYUJSLVDGBO-UHFFFAOYSA-N  
**Formula:** C12H27O2P  
**SMILES:** CC(C)CCCCC[PH](=O)OCC(C)C  
**Mol. weight [g/mol]:** 234.32

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.92		Crippen Method
logp	4.350		Crippen Method
mcvol	212.140	ml/mol	McGowan Method

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=B6004369&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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