

Dibenzyl phosphite

Other names:	Phosphonic acid dibenzyl ester Phosphonic acid, bis(phenylmethyl) ester Phosphorous acid, bis(phenylmethyl) ester dibenzyl phosphonate
Inchi:	InChI=1S/C14H15O3P/c15-18(16-11-13-7-3-1-4-8-13)17-12-14-9-5-2-6-10-14/h1-10,15H
InchiKey:	DYUGVWSETOTNKQ-UHFFFAOYSA-N
Formula:	C14H15O3P
SMILES:	OP(OCc1ccccc1)OCc1ccccc1
Mol. weight [g/mol]:	262.24
CAS:	17176-77-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.14		Crippen Method
logp	3.639		Crippen Method
mcvol	198.670	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.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=C17176771&Units=SI

Legend

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

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