

Phosphoramidic acid, (p-butylphenyl)-, diethyl ester

Inchi:	InChI=1S/C14H24NO3P/c1-4-7-8-13-9-11-14(12-10-13)15-19(16,17-5-2)18-6-3/h9-12H,4
InchiKey:	HXOXSNOJUILSCU-UHFFFAOYSA-N
Formula:	C14H24NO3P
SMILES:	CCCCc1ccc(NP(=O)(OCC)OCC)cc1
Mol. weight [g/mol]:	285.32
CAS:	116401-77-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.81		Crippen Method
logp	4.622		Crippen Method
mcvol	232.410	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C116401775&Units=SI
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

Legend

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

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