

Ethyldiphenylphosphine oxide

Other names:	Phosphine oxide, ethyldiphenyl-Diphenyl(ethyl)phosphine oxide
Inchi:	InChI=1S/C14H15OP/c1-2-16(15,13-9-5-3-6-10-13)14-11-7-4-8-12-14/h3-12H,2H2,1H3
InchiKey:	AKTGKEBIBGSCLD-UHFFFAOYSA-N
Formula:	C14H15OP
SMILES:	CCP(=O)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	230.24
CAS:	1733-57-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-12.96		Crippen Method
logp	3.020		Crippen Method
mcvol	186.930	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=C1733579&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	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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