

Methoxymethyldiphenylphosphine oxide

Other names:	Phosphine oxide, (methoxymethyl)diphenyl-
Inchi:	InChI=1S/C14H15O2P/c1-16-12-17(15,13-8-4-2-5-9-13)14-10-6-3-7-11-14/h2-11H,12H2
InchiKey:	OEPKDBQOTLDTNC-UHFFFAOYSA-N
Formula:	C14H15O2P
SMILES:	COCP(=O)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	246.24
CAS:	4455-77-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-12.54		Crippen Method
logp	2.604		Crippen Method
mcvol	192.800	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4455770&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:	https://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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