

Methyl diphenylphosphinite

Other names:	Phosphinous acid, diphenyl-, methyl ester methoxydiphenylphosphine
Inchi:	InChI=1S/C13H13OP/c1-14-15(12-8-4-2-5-9-12)13-10-6-3-7-11-13/h2-11H,1H3
InchiKey:	OAADXJFIBNEPLY-UHFFFAOYSA-N
Formula:	C13H13O4P
SMILES:	COP(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	264.21
CAS:	4020-99-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.18		Crippen Method
logp	2.681		Crippen Method
mvol	172.840	ml/mol	McGowan Method

Sources

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=C4020999&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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