

Diisopropyl phenylphosphonite

Other names:	Phosphonous acid, phenyl-, bis(1-methylethyl) ester
Inchi:	InChI=1S/C12H19O2P/c1-10(2)13-15(14-11(3)4)12-8-6-5-7-9-12/h5-11H,1-4H3
InchiKey:	LDNCAOOMUMJYTN-UHFFFAOYSA-N
Formula:	C12H19O2P
SMILES:	CC(C)OP(OC(C)C)c1ccccc1
Mol. weight [g/mol]:	226.25
CAS:	36238-99-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.57		Crippen Method
logp	3.474		Crippen Method
mcvol	188.380	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C36238990&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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