Phosphoramidous acid, phenyl-, diethyl ester

Inchi: InChI=1S/C10H16NO2P/c1-3-12-14(13-4-2)11-10-8-6-5-7-9-10/h5-9,11H,3-4H2,1-2H3
InchiKey: AOSDIQRAKHSDQA-UHFFFAOYSA-N
Formula: C10H16NO2P
SMILES: CCOP(Nc1ccccc1)OCC
Mol. weight [g/mol]: 213.21
CAS: 5156-98-9

Physical Properties

Property code	Value	Unit	Source
log10ws	0.26		Crippen Method
logp	3.398		Crippen Method
mcvol	170.180	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=C5156989&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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