

Phosphoramidous acid,[p-(dimethylamino)phenyl]-,diethyl ester

Inchi: InChI=1S/C12H21N2O2P/c1-5-15-17(16-6-2)13-11-7-9-12(10-8-11)14(3)4/h7-10,13H,5-6H,1H,2H
InchiKey: JJYUVRZLFFCBNK-UHFFFAOYSA-N
Formula: C12H21N2O2P
SMILES: CCOP(Nc1ccc(N(C)C)cc1)OCC
Mol. weight [g/mol]: 256.28
CAS: 5524-63-0

Physical Properties

Property code	Value	Unit	Source
log10ws	0.36		Crippen Method
logp	3.464		Crippen Method
mcvol	208.340	ml/mol	McGowan Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C5524630&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
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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