Phosphoramidic acid, bis(2-hydroxyethyl)-, diethyl ester

Inchi: InChI=1S/C8H20NO5P/c1-3-13-15(12,14-4-2)9(5-7-10)6-8-11/h10-11H,3-8H2,1-2H3
InchiKey: AMWFMBXQIBYIJJ-UHFFFAOYSA-N
Formula: C8H20NO5P
SMILES: CCOP(=O)(OCC)N(CCO)CCO
Mol. weight [g/mol]: 241.22
CAS: 2359-07-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.71		Crippen Method
logp	0.454		Crippen Method
mcvol	183.370	ml/mol	McGowan Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2359071&Units=SI

Legend

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