(CH3)2P(C6H5)=O

Other names: (CH3)2(C6H5)PO
Inchi: InChI=1S/C8H11OP/c1-10(2,9)8-6-4-3-5-7-8/h3-7H,1-2H3
InchiKey: IPZJMMRIOCINCK-UHFFFAOYSA-N
Formula: C8H11OP
SMILES: CP(C)(=O)c1ccccc1
Mol. weight [g/mol]: 154.15
CAS: 10311-08-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.95		Crippen Method
logp	1.935		Crippen Method
mcvol	126.150	ml/mol	McGowan Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C10311087&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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