

(CH₃)₂P(C₆H₅)=O

Other names:	(CH ₃) ₂ (C ₆ H ₅)PO
Inchi:	InChI=1S/C ₈ H ₁₁ OP/c1-10(2,9)8-6-4-3-5-7-8/h3-7H,1-2H3
InchiKey:	IPZJMMRIOCINCK-UHFFFAOYSA-N
Formula:	C ₈ H ₁₁ OP
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

Latest version available from:

<https://www.chemeo.com/cid/73-270-1/CH3-2P-C6H5-O.pdf>

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