

Diethylphenylphosphine

Other names:	Diethylphenylphosphene Phosphine, diethylphenyl-
Inchi:	InChI=1S/C10H15P/c1-3-11(4-2)10-8-6-5-7-9-10/h5-9H,3-4H2,1-2H3
InchiKey:	LVTCZSBUROAWTE-UHFFFAOYSA-N
Formula:	C10H15P
SMILES:	CCP(CC)c1ccccc1
Mol. weight [g/mol]:	166.20
CAS:	1605-53-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.35		Crippen Method
logp	2.834		Crippen Method
mcvol	148.460	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=C1605534&Units=SI

Legend

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

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<https://www.chemeo.com/cid/25-759-2/Diethylphenylphosphine.pdf>

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