

dicyclohexylphenylphosphine

Inchi: InChI=1S/C18H27P/c1-4-10-16(11-5-1)19(17-12-6-2-7-13-17)18-14-8-3-9-15-18/h1,4-5,1
InchiKey: VPLLTGLLUHLIHA-UHFFFAOYSA-N
Formula: C18H27P
SMILES: c1ccc(P(C2CCCCC2)C2CCCCC2)cc1
Mol. weight [g/mol]: 274.38
CAS: 6476-37-5

Physical Properties

Property code	Value	Unit	Source
ie	7.94	eV	NIST Webbook
log10ws	-6.71		Crippen Method
logp	5.459		Crippen Method
mcvol	239.460	ml/mol	McGowan Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C6476375&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Legend

ie: Ionization energy
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/102-776-7/dicyclohexylphenylphosphine.pdf>

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