

Phosphine, tricyclohexyl-

Other names:	Tricyclohexylphosphine
Inchi:	InChI=1S/C18H33P/c1-4-10-16(11-5-1)19(17-12-6-2-7-13-17)18-14-8-3-9-15-18/h16-18H
InchiKey:	WLPUWLXVBWGYMZ-UHFFFAOYSA-N
Formula:	C18H33P
SMILES:	C1CCC(P(C2CCCCC2)C2CCCCC2)CC1
Mol. weight [g/mol]:	280.43
CAS:	2622-14-2

Physical Properties

Property code	Value	Unit	Source
ie	7.75	eV	NIST Webbook
log10ws	-3.23		Crippen Method
logp	6.466		Crippen Method
mcvol	252.360	ml/mol	McGowan Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2622142&Units=SI

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/20-365-4/Phosphine-tricyclohexyl.pdf>

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