

Diphenyl(trimethylsilyl)phosphine

Other names:	Phosphine, diphenyl(trimethylsilyl)-
Inchi:	InChI=1S/C15H19PSi/c1-17(2,3)16(14-10-6-4-7-11-14)15-12-8-5-9-13-15/h4-13H,1-3H3
InchiKey:	WTWVGNUJAAOVSC-UHFFFAOYSA-N
Formula:	C15H19PSi
SMILES:	C[Si](C)(C)P(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	258.37
CAS:	17154-34-6

Physical Properties

Property code	Value	Unit	Source
ie	7.30	eV	NIST Webbook
ie	7.74	eV	NIST Webbook
log10ws	-6.99		Crippen Method
logp	3.954		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17154346&Units=SI

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/67-904-4/Diphenyl-trimethylsilyl-phosphine.pdf>

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