1,2-Diphospha-3-silacyclopropane, 1,2-bis(1,1-dimethylethyl)-3-diphenyl-

Inchi: InChI=1S/C20H28P2Si/c1-19(2,3)21-22(20(4,5)6)23(21,17-13-9-7-10-14-17)18-15-11-8-1

InchiKey: LQPAGUZFISRHNU-UHFFFAOYSA-N

Formula: C20H28P2Si

SMILES: CC(C)(C)P1P(C(C)(C)C)[Si]1(c1ccccc1)c1ccccc1

Mol. weight [g/mol]: 358.47

CAS: 75356-86-4

Physical Properties

Property code	Value	Unit	Source
ie	7.20	eV	NIST Webbook
ie	7.65	eV	NIST Webbook
log10ws	-5.81		Crippen Method
logp	5.732		Crippen Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C75356864&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie: Ionization energy

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient