# 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