

# Silane, diphenylpentylxy(tetradec-3-en-1-yloxy)-

**Inchi:** InChI=1S/C31H48O2Si/c1-3-5-7-8-9-10-11-12-13-14-15-23-29-33-34(32-28-22-6-4-2,30-  
**InchiKey:** AFICHJKQHFSWEE-CCEZHUSRSA-N  
**Formula:** C31H48O2Si  
**SMILES:** CCCCCCCCCC=CCCO[Si](OCCCC)(c1cccc1)c1cccc1  
**Mol. weight [g/mol]:** 480.80

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -15.62  |      | Crippen Method |
| logp          | 7.944   |      | Crippen Method |
| rinsol        | 3104.00 |      | NIST Webbook   |
| rinsol        | 3104.00 |      | NIST Webbook   |

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U367971&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinsol:** Non-polar retention indices

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