

# Silane, diphenyl(3,3-dimethylbut-2-yloxy)tridecyloxy-

**Inchi:** InChI=1S/C31H50O2Si/c1-6-7-8-9-10-11-12-13-14-15-22-27-32-34(29-23-18-16-19-24-25-26)/1  
**InchiKey:** XZYMAMCQWJTBSG-UHFFFAOYSA-N  
**Formula:** C31H50O2Si  
**SMILES:** CCCCCCCCCCCCCO[Si](OC(C)C(C)(C)C)(c1ccccc1)c1ccccc1  
**Mol. weight [g/mol]:** 482.81

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -15.64  |      | Crippen Method |
| logp          | 8.022   |      | Crippen Method |
| rinpol        | 2951.00 |      | NIST Webbook   |
| rinpol        | 2951.00 |      | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=U367684&Units=SI>

## Legend

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

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