

# Silane, dimethyl(2-biphenyloxy)hexadecyloxy-

**Inchi:** InChI=1S/C30H48O2Si/c1-4-5-6-7-8-9-10-11-12-13-14-15-16-22-27-31-33(2,3)32-30-26-  
**InchiKey:** NHTQZBAKPKBTET-UHFFFAOYSA-N  
**Formula:** C30H48O2Si  
**SMILES:** CCCCCCCCCCCCCCO[Si](C)(C)Oc1ccccc1-c1ccccc1  
**Mol. weight [g/mol]:** 468.79

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -9.03   |      | Crippen Method |
| logp          | 9.932   |      | Crippen Method |
| rinpol        | 3116.00 |      | NIST Webbook   |
| rinpol        | 3116.00 |      | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**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=U347353&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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