

# Silane, diphenyl(dodec-9-yn-1-yloxy)hexyloxy-

**Inchi:** InChI=1S/C30H44O2Si/c1-3-5-7-9-10-11-12-13-14-22-28-32-33(29-23-17-15-18-24-29,30-25-19-21-27)/Si1  
**InchiKey:** SRELZXLXNUMPMF-UHFFFAOYSA-N  
**Formula:** C30H44O2Si  
**SMILES:** CCC#CCCCCCCCO[Si](OCCCCC)(c1cccc1)c1cccc1  
**Mol. weight [g/mol]:** 464.75

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -15.15  |      | Crippen Method |
| logp          | 7.001   |      | Crippen Method |
| rinpol        | 3036.00 |      | NIST Webbook   |
| rinpol        | 3036.00 |      | 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=U367748&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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