

# Silane, dimethylpentyloxyhexadecyloxy-

**Inchi:** InChI=1S/C23H50O2Si/c1-5-7-9-10-11-12-13-14-15-16-17-18-19-21-23-25-26(3,4)24-22  
**InchiKey:** CRWBUFRPLJZWNWU-UHFFFAOYSA-N  
**Formula:** C23H50O2Si  
**SMILES:** CCCCCCCCCCCCCCO[Si](C)(C)OCCCCC  
**Mol. weight [g/mol]:** 386.73

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -6.26   |      | Crippen Method |
| logp          | 8.393   |      | Crippen Method |
| rinpol        | 2345.00 |      | NIST Webbook   |
| rinpol        | 2345.00 |      | 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=U346834&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  
**rinpol:** Non-polar retention indices

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