

# Silane, diphenylcyclohexylmethoxypropoxy-

**Inchi:** InChI=1S/C22H30O2Si/c1-2-18-23-25(21-14-8-4-9-15-21,22-16-10-5-11-17-22)24-19-20  
**InchiKey:** RZOROZWIUOAYEC-UHFFFAOYSA-N  
**Formula:** C22H30O2Si  
**SMILES:** CCCO[Si](OCC1CCCCC1)(c1ccccc1)c1ccccc1  
**Mol. weight [g/mol]:** 354.56

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -11.66  |      | Crippen Method |
| logp          | 4.266   |      | Crippen Method |
| rinpol        | 2326.00 |      | NIST Webbook   |
| rinpol        | 2326.00 |      | 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=U368015&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

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

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<https://www.chemeo.com/cid/26-590-8/Silane-diphenylcyclohexylmethoxypropoxy.pdf>

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