

# 1,1-Diphenylsilacyclohexane

|                      |                                                                                     |
|----------------------|-------------------------------------------------------------------------------------|
| Inchi:               | InChI=1S/C17H20Si/c1-4-10-16(11-5-1)18(14-8-3-9-15-18)17-12-6-2-7-13-17/h1-2,4-7,10 |
| InchiKey:            | BXGZDRHWAIMTPD-UHFFFAOYSA-N                                                         |
| Formula:             | C17H20Si                                                                            |
| SMILES:              | c1ccc([Si]2(c3ccccc3)CCCCC2)cc1                                                     |
| Mol. weight [g/mol]: | 252.43                                                                              |
| CAS:                 | 18002-79-4                                                                          |

## Physical Properties

| Property code | Value  | Unit | Source         |
|---------------|--------|------|----------------|
| log10ws       | -10.47 |      | Crippen Method |
| logp          | 3.433  |      | Crippen Method |

## Sources

|                 |                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                     |
| Crippen Method: | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C18002794&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18002794&amp;Units=SI</a> |

## Legend

|          |                                     |
|----------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l  |
| logp:    | Octanol/Water partition coefficient |

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<https://www.chemeo.com/cid/74-549-1/1-1-Diphenylsilacyclohexane.pdf>

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