

# 1-(Dimethyldodecylsilyloxy)pentane

**Inchi:** InChI=1S/C19H42OSi/c1-5-7-9-10-11-12-13-14-15-17-19-21(3,4)20-18-16-8-6-2/h5-19H2  
**InchiKey:** PMONTGDUBVOCKR-UHFFFAOYSA-N  
**Formula:** C19H42OSi  
**SMILES:** CCCCCCCCCC[Si](C)(C)OCCCCC  
**Mol. weight [g/mol]:** 314.62

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -4.91   |      | Crippen Method |
| logp          | 7.319   |      | Crippen Method |
| rinpol        | 1927.00 |      | NIST Webbook   |
| rinpol        | 1927.00 |      | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=U299990&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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