

# Silane, dimethyl(3,7-dimethyloct-3-yloxy)octyloxy-

**Inchi:** InChI=1S/C20H44O2Si/c1-8-10-11-12-13-14-18-21-23(6,7)22-20(5,9-2)17-15-16-19(3)4/  
**InchiKey:** UFPWANILGOQYJS-UHFFFAOYSA-N  
**Formula:** C20H44O2Si  
**SMILES:** CCCCCCCC[Si](C)(C)OC(C)(CC)CCCC(C)C  
**Mol. weight [g/mol]:** 344.65

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -4.87   |      | Crippen Method |
| logp          | 7.077   |      | Crippen Method |
| rinpol        | 1951.00 |      | NIST Webbook   |
| rinpol        | 1951.00 |      | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U346784&Units=SI>  
**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)

## Legend

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

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