

# Silane, dimethyl(dimethyl(2-nitrophenoxy)silyloxy)(2-nitro

**Inchi:** InChI=1S/C16H20N2O7Si2/c1-26(2,23-15-11-7-5-9-13(15)17(19)20)25-27(3,4)24-16-12-  
**InchiKey:** BFIJKPJCNANSLX-UHFFFAOYSA-N  
**Formula:** C16H20N2O7Si2  
**SMILES:** C[Si](C)(Oc1ccccc1[N+](=O)[O-])O[Si](C)(C)Oc1ccccc1[N+](=O)[O-]  
**Mol. weight [g/mol]:** 408.51

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -1.85   |      | Crippen Method |
| logp          | 4.381   |      | Crippen Method |
| rinpol        | 2540.00 |      | NIST Webbook   |
| rinpol        | 2540.00 |      | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U347242&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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<https://www.chemeo.com/cid/16-709-7/Silane-dimethyl-dimethyl-2-nitrophenoxy-silyloxy-2-nitrophenoxy.pdf>

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