

# Silane, dimethyl(2-nitrophenoxy)octyloxy-

**Inchi:** InChI=1S/C16H27NO4Si/c1-4-5-6-7-8-11-14-20-22(2,3)21-16-13-10-9-12-15(16)17(18)19  
**InchiKey:** SKKJGOZSBIBIFW-UHFFFAOYSA-N  
**Formula:** C16H27NO4Si  
**SMILES:** CCCCCCO[Si](C)(C)Oc1cccc1[N+](=O)[O-]  
**Mol. weight [g/mol]:** 325.48

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.73		Crippen Method
logp	5.052		Crippen Method
rinpol	2110.00		NIST Webbook
rinpol	2110.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**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=U347234&Units=SI>

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/121-470-5/Silane-dimethyl-2-nitrophenoxy-octyloxy.pdf>

Generated by Cheméo on 2024-04-29 03:18:58.452829197 +0000 UTC m=+16649987.373406509.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.