

# Silane, diphenyl(4-nitrophenoxy)octyloxy-

**Inchi:** InChI=1S/C26H31NO4Si/c1-2-3-4-5-6-13-22-30-32(25-14-9-7-10-15-25,26-16-11-8-12-1)  
**InchiKey:** JGOCAKKDLQTOO-UHFFFAOYSA-N  
**Formula:** C26H31NO4Si  
**SMILES:** CCCCCCO[Si](Oc1ccc([N+](=O)[O-])cc1)(c1cccc1)c1cccc1  
**Mol. weight [g/mol]:** 449.61

## Physical Properties

Property code	Value	Unit	Source
log10ws	-14.08		Crippen Method
logp	5.607		Crippen Method
rinpol	3140.00		NIST Webbook
rinpol	3140.00		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=U367491&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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