

# Silane, diphenyl(4-nitrophenoxy)pentyl-oxo-

**Inchi:** InChI=1S/C23H25NO4Si/c1-2-3-10-19-27-29(22-11-6-4-7-12-22,23-13-8-5-9-14-23)28-2  
**InchiKey:** HNTMXXSGXBKCOO-UHFFFAOYSA-N  
**Formula:** C23H25NO4Si  
**SMILES:** CCCCCO[Si](Oc1ccc([N+](=O)[O-])cc1)(c1cccc1)c1cccc1  
**Mol. weight [g/mol]:** 407.53

## Physical Properties

Property code	Value	Unit	Source
log10ws	-12.82		Crippen Method
logp	4.437		Crippen Method
rinpol	2833.00		NIST Webbook
rinpol	2833.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U367487&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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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