

# Silane, dimethyl(2-nitrophenoxy)heptyloxy-

**Inchi:** InChI=1S/C15H25NO4Si/c1-4-5-6-7-10-13-19-21(2,3)20-15-12-9-8-11-14(15)16(17)18/h  
**InchiKey:** OKJNFDHRSIVJGF-UHFFFAOYSA-N  
**Formula:** C15H25NO4Si  
**SMILES:** CCCCCCO[Si](C)(C)Oc1ccccc1[N+](=O)[O-]  
**Mol. weight [g/mol]:** 311.45

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.31		Crippen Method
logp	4.662		Crippen Method
rinpol	2014.00		NIST Webbook

## Sources

**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)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U347233&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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