

# Silane, dimethyl(2-nitrophenoxy)butoxy-

**Inchi:** InChI=1S/C12H19NO4Si/c1-4-5-10-16-18(2,3)17-12-9-7-6-8-11(12)13(14)15/h6-9H,4-5,1  
**InchiKey:** VMHWXEJGFNSSFF-UHFFFAOYSA-N  
**Formula:** C12H19NO4Si  
**SMILES:** CCCCCO[Si](C)(C)Oc1cccc1[N+](=O)[O-]  
**Mol. weight [g/mol]:** 269.37

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.06		Crippen Method
logp	3.492		Crippen Method
rinpol	1708.00		NIST Webbook
rinpol	1708.00		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=U347229&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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<https://www.chemeo.com/cid/122-909-7/Silane-dimethyl-2-nitrophenoxy-butoxy.pdf>

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