

# Silane, diphenyl(dodec-9-yn-1-yloxy)pentyl-oxo-

**Inchi:** InChI=1S/C29H42O2Si/c1-3-5-7-8-9-10-11-12-13-21-27-31-32(30-26-20-6-4-2,28-22-16-14-12)/Si1  
**InchiKey:** PAVJEHOBZMNSRR-UHFFFAOYSA-N  
**Formula:** C<sub>29</sub>H<sub>42</sub>O<sub>2</sub>Si  
**SMILES:** CCC#CCCCCCCCO[Si](OCCCC)(c1ccccc1)c1ccccc1  
**Mol. weight [g/mol]:** 450.73

## Physical Properties

Property code	Value	Unit	Source
log10ws	-14.73		Crippen Method
logp	6.611		Crippen Method
rinpol	2944.00		NIST Webbook
rinpol	2944.00		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=U367746&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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