

# 1-Diphenyl(tert-butyl)silyloxy-4-nitrobenzene

**Inchi:** InChI=1S/C22H23NO3Si/c1-22(2,3)27(20-10-6-4-7-11-20,21-12-8-5-9-13-21)26-19-16-14  
**InchiKey:** FKVQUKNSMVFBPL-UHFFFAOYSA-N  
**Formula:** C22H23NO3Si  
**SMILES:** CC(C)(C)[Si](Oc1ccc([N+](=O)[O-])cc1)(c1ccccc1)c1ccccc1  
**Mol. weight [g/mol]:** 377.51

## Physical Properties

Property code	Value	Unit	Source
log10ws	-12.74		Crippen Method
logp	4.534		Crippen Method
rinpol	2757.00		NIST Webbook
rinpol	2757.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U307869&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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