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/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices