4-Phenylbutan-2-ol, tert-butyldimethylsilyl ether

Other names: 2-Butanol, 4-phenyl-O-tert-butyldimethylsilyl-
2-tert-Butyldimethylsilyloxy-4-phenylbutane

Inchi: InChI=1S/C16H28OSi/c1-14(17-18(5,6)16(2,3)4)12-13-15-10-8-7-9-11-15/h7-11,14H,12-

InchiKey: NDUAJYXGZATIGE-UHFFFAOYSA-N

Formula: C16H28OSi

SMILES: CC(CCc1ccccc1)O[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 264.48

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.87		Crippen Method
logp	5.030		Crippen Method
rinpol	1601.00		NIST Webbook
rinpol	1601.00		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U373400&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices