

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
rinpola	1601.00		NIST Webbook
rinpola	1601.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
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
rinpola:	Non-polar retention indices

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