4-Benzyloxy-1-dimethyl(tert-butyl)silyloxybenzen

Other names: Monobenzone, tbdms derivative
Inchi: InChI=1S/C19H26O2Si/c1-19(2,3)22(4,5)21-18-13-11-17(12-14-18)20-15-16-9-7-6-8-10-
InchiKey: JWPICNXCAGVLSA-UHFFFAOYSA-N
Formula: C19H26O2Si
SMILES: CC(C)(C)[Si](C)(C)Oc1ccc(OCc2ccccc2)cc1
Mol. weight [g/mol]: 314.49

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.96		Crippen Method
logp	5.650		Crippen Method
rinpol	2175.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U307927&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