Bis(tert-butyldimethylsilyl) benzylphosphonate

Inchi: InChI=1S/C19H37O3PSi2/c1-18(2,3)24(7,8)21-23(20,16-17-14-12-11-13-15-17)22-25(9,1

InchiKey: JTTKVLONCNEEFZ-UHFFFAOYSA-N

Formula: C19H37O3PSi2

SMILES: CC(C)(C)[Si](C)(C)OP(=O)(Cc1ccccc1)O[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 400.64

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.92		Crippen Method
logp	7.423		Crippen Method
rinpol	2124.00		NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U373305&Units=SI

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices