tert-Butyldimethylsilyl tetradecyl phthalate

Other names: 1,2-Benzenedicarboxylic acid, tetradecyl tert-butyldimethylsilylester
Inchi: InChI=1S/C28H48O4Si/c1-7-8-9-10-11-12-13-14-15-16-17-20-23-31-26(29)24-21-18-19-
InchiKey: MNNBAKRFDCJTIZ-UHFFFAOYSA-N
Formula: C28H48O4Si
SMILES: CCCCCCCCCCCCCCOC(=O)c1ccccc1C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 476.76

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.54		Crippen Method
logp	8.707		Crippen Method
rinpol	3162.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U373518&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