Silane, diphenylhexadecyloxy(2,2,3,3,3-pentafluoropropo

Inchi: InChI=1S/C31H45F5O2Si/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-21-26-37-39(28-22-17-15-1

InchiKey: RCZJJXUDZNSVOT-UHFFFAOYSA-N

Formula: C31H45F5O2Si

SMILES: CCCCCCCCCCCCCCCCO[Si](OCC(F)(F)C(F)(F)F)(c1ccccc1)c1ccccc1

Mol. weight [g/mol]: 572.77

Physical Properties

Property code	Value	Unit	Source
log10ws	-16.75		Crippen Method
logp	8.955		Crippen Method
rinpol	2873.00		NIST Webbook
rinpol	2873.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U368129&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