

Silane, diphenyloctadecyloxy(2,2,3,3,3-pentafluoropropoxy)

Inchi: InChI=1S/C33H49F5O2Si/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-23-28-39-41(30-24-25-26-27-28)/Si1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33

InchiKey: LWZNYJGRTLXPFI-UHFFFAOYSA-N

Formula: C33H49F5O2Si

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

Mol. weight [g/mol]: 600.82

Physical Properties

Property code	Value	Unit	Source
log10ws	-17.58		Crippen Method
logp	9.735		Crippen Method
rinpol	3086.00		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=U368131&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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<https://www.chemeo.com/cid/56-580-6/Silane-diphenyloctadecyloxy-2-2-3-3-3-pentafluoropropoxy.pdf>

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