

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

Inchi: InChI=1S/C31H45F5O2Si/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-21-26-37-39(28-22-17-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1)/Si1-2-3-4-5-6-7-8-9-10-11-12-13-14-21-26-37-39(28-22-17-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1)/Si1-2-3-4-5-6-7-8-9-10-11-12-13-14-21-26-37-39(28-22-17-15-14-13-12-11-10-9-8-7-6-5-4-3-2-1)
InchiKey: RCZJJXUDZNSVOT-UHFFFAOYSA-N
Formula: C31H45F5O2Si
SMILES: CCCCCCCCCCCCCCCCCO[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

Latest version available from:

<https://www.chemeo.com/cid/16-725-9/Silane-diphenylhexadecyloxy-2-2-3-3-3-pentafluoropropoxy.pdf>

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