

Silane, diphenyldodecyloxy(2,3,4-trifluorophenoxy)-

Inchi: InChI=1S/C30H37F3O2Si/c1-2-3-4-5-6-7-8-9-10-17-24-34-36(25-18-13-11-14-19-25,26-27-28-29)/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

InchiKey: QBUVAWGALQSYEL-UHFFFAOYSA-N

Formula: C30H37F3O2Si

SMILES: CCCCCCCCCCO[Si](Oc1ccc(F)c(F)c1F)(c1ccccc1)c1ccccc1

Mol. weight [g/mol]: 514.69

Physical Properties

Property code	Value	Unit	Source
log10ws	-16.10		Crippen Method
logp	7.677		Crippen Method
rinpol	3059.00		NIST Webbook
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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=U368080&Units=SI>

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/13-678-5/Silane-diphenyldodecyloxy-2-3-4-trifluorophenoxy.pdf>

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