

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

Inchi: InChI=1S/C22H27F5O2Si/c1-2-3-4-5-12-17-28-30(19-13-8-6-9-14-19,20-15-10-7-11-16-21)/1H,2H,3H,4H,5H,12H,17H,28H,30H,19H,13H,8H,6H,9H,14H,19H,20H,15H,10H,7H,11H,16H,21H
InchiKey: LGLQJPWCXHIXQD-UHFFFAOYSA-N
Formula: C22H27F5O2Si
SMILES: CCCCCCO[Si](OCC(F)(F)C(F)(F)F)(c1cccc1)c1cccc1
Mol. weight [g/mol]: 446.53

Physical Properties

Property code	Value	Unit	Source
log10ws	-12.98		Crippen Method
logp	5.444		Crippen Method
rinpol	2025.00		NIST Webbook
rinpol	2025.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U368122&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

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/24-066-2/Silane-diphenylheptyloxy-2-2-3-3-3-pentafluoropropoxy.pdf>

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