

Silane, diphenyloctyloxy(2,4,4-trimethylpentyloxy)-

Inchi: InChI=1S/C28H44O2Si/c1-6-7-8-9-10-17-22-29-31(26-18-13-11-14-19-26,27-20-15-12-10)/Si1
InchiKey: HTVRTFJZDAIWSU-UHFFFAOYSA-N
Formula: C28H44O2Si
SMILES: CCCCCCO[Si](OCC(C)CC(C)(C)C)(c1cccc1)c1cccc1
Mol. weight [g/mol]: 440.73

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -14.03 | | Crippen Method |
| logp | 6.709 | | Crippen Method |
| rinpol | 2591.00 | | NIST Webbook |

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U368055&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/31-193-3/Silane-diphenyloctyloxy-2-4-4-trimethylpentyloxy.pdf>

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