

Silane, (3-chlorophenoxy)dimethyl(octadecyloxydimethyl)

Inchi: InChI=1S/C28H53ClO3Si2/c1-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-25-30-33(2)
InchiKey: FNLIRCGMTHQONS-UHFFFAOYSA-N
Formula: C28H53ClO3Si2
SMILES: CCCCCCCCCCCCCCCCCCO[Si](C)(C)O[Si](C)(C)Oc1cccc(Cl)c1
Mol. weight [g/mol]: 529.34

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -6.51 | | Crippen Method |
| logp | 10.417 | | Crippen Method |
| rinpol | 3049.00 | | NIST Webbook |

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U346899&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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/46-684-2/Silane-3-chlorophenoxy-dimethyl-octadecyloxydimethylsilyloxy.pdf>

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