

Silane, dimethyl(dimethyl(2-methylphenoxy)silyloxy)dodecyl

Inchi: InChI=1S/C23H44O3Si2/c1-7-8-9-10-11-12-13-14-15-18-21-24-27(3,4)26-28(5,6)25-23-2
InchiKey: IIVLQIDPTOKWNS-UHFFFAOYSA-N
Formula: C23H44O3Si2
SMILES: CCCCCCCCCCO[Si](C)(C)O[Si](C)(C)Oc1ccccc1C
Mol. weight [g/mol]: 424.76

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -3.79 | | Crippen Method |
| logp | 7.732 | | Crippen Method |
| rinpol | 2339.00 | | NIST Webbook |
| rinpol | 2339.00 | | NIST Webbook |

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U346971&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/81-619-5/Silane-dimethyl-dimethyl-2-methylphenoxy-silyloxy-dodecyloxy.pdf>

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