

Silane, dimethyl(2-nitrophenoxy)tetradecyloxy-

Inchi: InChI=1S/C22H39NO4Si/c1-4-5-6-7-8-9-10-11-12-13-14-17-20-26-28(2,3)27-22-19-16-15
InchiKey: AAAZMNNOSBTKMK-UHFFFAOYSA-N
Formula: C22H39NO4Si
SMILES: CCCCCCCCCCCCCO[Si](C)(C)Oc1cccc1[N+](=O)[O-]
Mol. weight [g/mol]: 409.63

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -6.24 | | Crippen Method |
| logp | 7.393 | | Crippen Method |
| rinpol | 2714.00 | | NIST Webbook |
| rinpol | 2714.00 | | NIST Webbook |

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U347239&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/114-937-5/Silane-dimethyl-2-nitrophenoxy-tetradecyloxy.pdf>

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