

Silane, diethylhexadecyloxy(3-nitrophenoxy)-

Inchi: InChI=1S/C26H47NO4Si/c1-4-7-8-9-10-11-12-13-14-15-16-17-18-19-23-30-32(5-2,6-3)3
InchiKey: XPEZKNPJGVGYBF-UHFFFAOYSA-N
Formula: C26H47NO4Si
SMILES: CCCCCCCCCCCCCCO[Si](CC)(CC)Oc1cccc([N+](=O)[O-])c1
Mol. weight [g/mol]: 465.74

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -7.92 | | Crippen Method |
| logp | 8.954 | | Crippen Method |
| rinpol | 3147.00 | | NIST Webbook |

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U363238&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/30-572-3/Silane-diethylhexadecyloxy-3-nitrophenoxy.pdf>

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