

# 1-(Trihexylsilyloxy)tetradecane

|                      |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|
| Other names:         | 1-Tetradecanol, trihexylsilyl ether                                              |
| Inchi:               | InChI=1S/C32H68OSi/c1-5-9-13-17-18-19-20-21-22-23-24-25-29-33-34(30-26-14-10-6-2 |
| InchiKey:            | IPFFUWROJOEXSG-UHFFFAOYSA-N                                                      |
| Formula:             | C32H68OSi                                                                        |
| SMILES:              | CCCCCCCCCCCCCCCCO[Si](CCCCC)(CCCCC)CCCCC                                         |
| Mol. weight [g/mol]: | 496.97                                                                           |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -10.36  |      | Crippen Method |
| logp          | 12.391  |      | Crippen Method |
| rinpol        | 3012.00 |      | NIST Webbook   |
| rinpol        | 2970.00 |      | NIST Webbook   |
| rinpol        | 2970.00 |      | NIST Webbook   |

## Sources

|                 |                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                 |
| Crippen Method: | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                         |
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U308329&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U308329&amp;Units=SI</a> |

## Legend

|          |                                     |
|----------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l  |
| logp:    | Octanol/Water partition coefficient |
| rinpol:  | Non-polar retention indices         |

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<https://www.chemeo.com/cid/35-670-9/1-Trihexylsilyloxy-tetradecane.pdf>

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