

# Silane, [(10-chlorodecyl)oxy]trimethyl-

|                             |   |
|-----------------------------|---|
| <b>Other names:</b>         | 10-Chlorodecyl trimethylsilyl ether<br>[(10-Chlorodecyl)oxy](trimethyl)silane<br>10-Chloro-1-decanol, trimethylsilyl ether<br>10-Chloro-1-decanol, tms derivative |
| <b>Inchi:</b>               | InChI=1S/C13H29ClOSi/c1-16(2,3)15-13-11-9-7-5-4-6-8-10-12-14/h4-13H2,1-3H3  |
| <b>InchiKey:</b>            | QLIAEYHVFSJLQU-UHFFFAOYSA-N   |
| <b>Formula:</b>             | C13H29ClOSi   |
| <b>SMILES:</b>              | C[Si](C)(C)OCCCCCCCCCCI   |
| <b>Mol. weight [g/mol]:</b> | 264.91  |
| <b>CAS:</b>                 | 34714-01-7  |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -2.56   |      | Crippen Method |
| logp          | 5.197   |      | Crippen Method |
| rinpol        | 1643.20 |      | NIST Webbook   |

## Sources

|                        |   |
|------------------------|---|
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C34714017&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C34714017&amp;Units=SI</a> |
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>                                     |

## Legend

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

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