

# Silane, (1,1-dimethylethyl)dimethyl(octacosyloxy)-

Other names:

tert-Butyl-dimethyl-(octacosyloxy)silane

tert-Butyldimethyl(octacosyloxy)silane

Octacosyl tert-butyldimethylsilyl ether

1-Octacosanol, tert-butyldimethylsilyl ether

1-Octacosanol, tbdms derivative

Inchi: InChI=1S/C34H72OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2

InchiKey: XMQFRWREPMGQRW-UHFFFAOYSA-N

Formula: C34H72OSi

SMILES: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 525.02

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -11.19  |      | Crippen Method |
| logp          | 13.171  |      | Crippen Method |
| rinpol        | 3390.00 |      | NIST Webbook   |
| rinpol        | 3390.00 |      | NIST Webbook   |

## Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U351854&Units=SI>

## Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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