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

Other names: tert-Butyl-dimethyl-(octacosoxy)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: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO[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/ci990307l

Crippen Method: 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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