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

Other names: tert-Butyl-docososxy-dimethylsilane
tert-Butyl(docosyloxy)dimethylsilane
Docosyl tert-butyldimethylsilyl ether
1-Docosanol, tert-butyldimethylsilyl ether
Docosanol, tbdms derivative

Inchi: InChI=1S/C28H60OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2

InchiKey: XNTVFUSWGZRTAL-UHFFFAOYSA-N

Formula: C28H60OSi

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

Mol. weight [g/mol]: 440.86

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.68		Crippen Method
logp	10.830		Crippen Method
rinpol	2784.00		NIST Webbook
rinpol	2784.00		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=U351858&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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