

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

Other names:

tert-Butyl-dimethyl-tetracosoxysilane

tert-Butyldimethyl(tetracosyloxysilane

Tetracosyl tert-butyldimethylsilyl ether

1-Tetracosanol, tert-butyldimethylsilyl ether

1-Tetracosanol, tbdms derivative

Inchi: InChI=1S/C30H64OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2

InchiKey: SSQZNRQFCSDXQF-UHFFFAOYSA-N

Formula: C30H64OSi

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

Mol. weight [g/mol]: 468.91

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.52		Crippen Method
logp	11.610		Crippen Method
rinpol	2988.60		NIST Webbook
rinpol	2988.60		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U351863&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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/81-557-4/Silane-1-1-dimethylethyl-dimethyl-tetracosyloxy.pdf>

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