

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

Other names:

tert-Butyl-eicosoxy-dimethylsilane

tert-Butyl(eicosyloxy)dimethylsilane

Eicosyl tert-butyldimethylsilyl ether

1-Eicosanol, tert-butyldimethylsilyl ether

1-Eicosanol, tbdms derivative

Inchi: InChI=1S/C26H56OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-27-2

InchiKey: WFPJBRXFUYWVPS-UHFFFAOYSA-N

Formula: C26H56OSi

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

Mol. weight [g/mol]: 412.81

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.84		Crippen Method
logp	10.050		Crippen Method
rinpol	2587.70		NIST Webbook
rinpol	2587.70		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U351862&Units=SI>

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

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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