

Silane, (1,1-dimethylethyl)hexacosyloxydimethyl-

Other names:

tert-Butyl-hexacosoxy-dimethylsilane
tert-Butyl(hexacosyloxy)dimethylsilane
Hexacosyl tert-butyldimethylsilyl ether
1-Hexacosanol, tert-butyldimethylsilyl ether
1-Hexacosanol, tbdms derivative

Inchi:

InChI=1S/C32H68OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2

InchiKey:

DYKHDYSLIWPKJV-UHFFFAOYSA-N

Formula:

C32H68OSi

SMILES:

CCCCCCCCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]:

496.97

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.36		Crippen Method
logp	12.391		Crippen Method
rinpol	3185.90		NIST Webbook
rinpol	3185.90		NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=U351856&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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