

Silane, (1,1-dimethylethyl)dimethyltricosyloxy-

Other names:

tert-Butyl-tricosoxy-dimethylsilane
tert-Butyldimethyl(tricosyloxy)silane
Tricosyl tert-butyldimethylsilyl ether
1-Tricosanol, tert-butyldimethylsilyl ether
1-Tricosanol, tbdms derivative

Inchi:

InChI=1S/C29H62OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-2

InchiKey:

PNUVBYJQWKZURP-UHFFFAOYSA-N

Formula:

C₂₉H₆₂O_{Si}

SMILES:

CCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]:

454.89

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.10		Crippen Method
logp	11.220		Crippen Method
rinsol	2883.50		NIST Webbook
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Sources

Crippen Method:

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

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=U351850&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinsol: Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/90-535-8/Silane-1-1-dimethylethyl-dimethyltricosyloxy.pdf>

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