

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

Other names:

tert-Butyl-dimethyl-pentadecoxysilane
tert-Butyldimethyl(pentadecyloxy)silane
Pentadecyl tert-butyldimethylsilyl ether
1-Pentadecanol, tert-butyldimethylsilyl ether
1-Pentadecanol, tBDMS
1-Pentadecanol, tbdms derivative

Inchi:

InChI=1S/C21H46OSi/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-22-23(5,6)21(2,3)4/h

InchiKey:

GNJGCAHOKODPJB-UHFFFAOYSA-N

Formula:

C21H46OSi

SMILES:

CCCCCCCCCCCCCCCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]:

342.67

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.75		Crippen Method
logp	8.099		Crippen Method
rinpol	2087.90		NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=U351860&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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