

Pentanoic acid, 3,5-bis[(tert-butyl dimethylsilyl)oxy]-3-methyl-, tert-butyl dimethylsilyl ester

Other names:

Mevalonic acid, tri-TBDMS

Inchi:

InChI=1S/C24H54O4Si3/c1-21(2,3)29(11,12)26-18-17-24(10,28-31(15,16)23(7,8)9)19-20

InchiKey:

NIHKOZDFLYTIJH-UHFFFAOYSA-N

Formula:

C24H54O4Si3

SMILES:

CC(CCO[Si](C)(C)C(C)(C)C)(CC(=O)O[Si](C)(C)C(C)(C)C)O[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]:

490.94

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.17		Crippen Method
logp	8.117		Crippen Method
rinpol	2209.00		NIST Webbook
rinpol	2209.00		NIST Webbook

Sources

Crippen Method:

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

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=U221760&Units=SI>

Legend

log10ws:

Log10 of Water solubility in mol/l

logp:

Octanol/Water partition coefficient

rinpol:

Non-polar retention indices

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