

Hexadecandioic acid, bis(tert-butyl dimethylsilyl) ester

Other names:	Bis[tert-butyl(dimethyl)silyl] hexadecanedioate Hexadecanedioic acid, 2tdms derivative
Inchi:	InChI=1S/C28H58O4Si2/c1-27(2,3)33(7,8)31-25(29)23-21-19-17-15-13-11-12-14-16-18-
InchiKey:	CCEXWIDNWFSMFB-UHFFFAOYSA-N
Formula:	C28H58O4Si2
SMILES:	CC(C)(C)[Si](C)(C)OC(=O)CCCCCCCCCCCCC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	514.93

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.37		Crippen Method
logp	9.545		Crippen Method
rinpol	3065.90		NIST Webbook
rinpol	3065.90		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U332735&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/16-668-3/Hexadecandioic-acid-bis-tert-butyl-dimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-23 16:14:24.585559218 +0000 UTC m=+16178113.506136530.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.