

Hexadecanedioic acid, bis(trimethylsilyl) ester

Other names:	Hexadecanedioic acid, bis-TMS Hexadecandioic acid, bis(trimethylsilyl) ester
Inchi:	InChI=1S/C22H46O4Si2/c1-27(2,3)25-21(23)19-17-15-13-11-9-7-8-10-12-14-16-18-20-2
InchiKey:	YANZXOCRRABPGY-UHFFFAOYSA-N
Formula:	C22H46O4Si2
SMILES:	C[Si](C)(C)OC(=O)CCCCCCCCCCCCCCCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	430.77

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.86		Crippen Method
logp	7.204		Crippen Method
rinpol	2470.00		NIST Webbook
rinpol	2470.00		NIST Webbook
rinpol	2477.00		NIST Webbook
rinpol	2477.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U141446&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.chemeo.com/cid/47-771-4/Hexadecanedioic-acid-bis-trimethylsilyl-ester.pdf>

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