

Dodecanedioic acid, bis(trimethylsilyl) ester

Other names:	1,12-Dodecandioic acid diTMS Bis(trimethylsilyl) dodecanedioate Dodecadioic acid, bis-TMS Dodecandioic acid, bis(trimethylsilyl) ester Dodecanedioic acid di-TMS Dodecanedioic acid, di-TMS, #2 Dodecanedioic acid, di-TMS, #1 Dodecanedioic acid, 2tms derivative
Inchi:	InChI=1S/C18H38O4Si2/c1-23(2,3)21-17(19)15-13-11-9-7-8-10-12-14-16-18(20)22-24(4
InchiKey:	RJYFZCUYOIINDS-UHFFFAOYSA-N
Formula:	C18H38O4Si2
SMILES:	C[Si](C)(C)OC(=O)CCCCCCCCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	374.66
CAS:	22396-19-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.18		Crippen Method
logp	5.644		Crippen Method
rinpol	2089.00		NIST Webbook
rinpol	2089.00		NIST Webbook
rinpol	2083.80		NIST Webbook
rinpol	2102.00		NIST Webbook
rinpol	2102.00		NIST Webbook
rinpol	2102.00		NIST Webbook
rinpol	2060.00		NIST Webbook
rinpol	2102.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C22396196&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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/42-957-3/Dodecanedioic-acid-bis-trimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-23 13:45:27.465629509 +0000 UTC m=+16169176.386206825.

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