Serine, N,O-bis(trimethylsilyl)-, trimethylsilyl ester

Other names:	N,O,O'-Tris-(trimethylsilyl)serine
	Serine tri-TMS
	DL-Serine, N,O-bis(trimethylsilyl)-, trimethylsilyl ester
	Serine (N,O,O-TMS)
	Serine, (3TMS)
	N,O,O-Tris(trimethylsilyl)-DL-serine
	L-Serine, N,O-bis(trimethylsilyl)-, trimethylsilyl ester
	Serine, TMS
	Serine, 3tms derivative
Inchi:	InChI=1S/C12H31NO3Si3/c1-17(2,3)13-11(10-15-18(4,5)6)12(14)16-19(7,8)9/h11,13H,1
InchiKey:	MBEDINMZZORSJN-UHFFFAOYSA-N
Formula:	C12H31NO3Si3
SMILES:	C[Si](C)(C)NC(CO[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	321.64
CAS:	64625-17-8

Physical Properties

Property code	Value	Unit	Source
log10ws	3.75		Crippen Method
logp	3.009		Crippen Method
rinpol	1369.50		NIST Webbook
rinpol	1368.00		NIST Webbook
rinpol	1368.00		NIST Webbook
rinpol	1342.60		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=C64625178&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/46-092-9/Serine-N-O-bis-trimethylsilyl-trimethylsilyl-ester.pdf

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