

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

Other names:	Alanine, 3-(trimethylsilyloxy)-N-(trimethylsilyl)-, trimethylsilyl ester, L-N,O,O-Tris(trimethylsilyl)-L-serine Tris(trimethylsilyl)-L-serine Serine, N,O,O-tris(trimethylsilyl)- Ser, tri-TMS Ser, TMS Serine, bis-TMS L-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-LLVKDONJSA-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:	7364-48-9

Physical Properties

Property code	Value	Unit	Source
log10ws	3.75		Crippen Method
logp	3.009		Crippen Method
rinpol	1388.61		NIST Webbook
rinpol	1383.95		NIST Webbook
rinpol	1388.23		NIST Webbook
rinpol	1383.44		NIST Webbook
rinpol	1380.00		NIST Webbook
rinpol	1383.44		NIST Webbook
ripol	1476.09		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7364489&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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