L-Serine, N,O-bis(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names:	tert-Butyl(dimethyl)silyl 2-([tert-butyl(dimethyl)silyl]amino)-3-([tert-butyl(dimethyl)silyl]oxy)propanoate, (L)-Serine, (3TBDMS)
	Serine, tri-TBDMS
	Ser, N,O,O-tris-TBDMS
	Ser, TBDMS
	Serine, TBDMS
	L-serine, 3tbdms derivative
Inchi:	InChI=1S/C21H49NO3Si3/c1-19(2,3)26(10,11)22-17(16-24-27(12,13)20(4,5)6)18(23)25-2
InchiKey:	FSJAIWAMUHRDKR-UHFFFAOYSA-N
Formula:	C21H49NO3Si3
SMILES:	CC(C)(C)[Si](C)(C)NC(CO[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	447.88
CAS:	107715-93-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.02		Crippen Method
logp	6.520		Crippen Method
rinpol	1993.00		NIST Webbook
rinpol	1993.00		NIST Webbook
rinpol	1975.40		NIST Webbook
rinpol	2000.00		NIST Webbook
rinpol	2000.00		NIST Webbook
rinpol	1993.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C107715935&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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