L-Valine, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names:	N,O-Bis(dimethyl-t-butylsilyl)-l-valine
	tert-Butyl(dimethyl)silyl 2-([tert-butyl(dimethyl)silyl]amino)-3-methylbutanoate, (L)-
	Valine diTBDMS
	Valine, bis-TBDMS
	Val, bis-TBDMS
	Val, TBDMS
	Valine, TBDMS
	L-valine, 2tbdms derivative
Inchi:	InChI=1S/C17H39NO2Si2/c1-13(2)14(18-21(9,10)16(3,4)5)15(19)20-22(11,12)17(6,7)8/h
InchiKey:	KPMGOLUDVQVDCW-UHFFFAOYSA-N
Formula:	C17H39NO2Si2
SMILES:	CC(C)C(N[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	345.67
CAS:	107715-89-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.96		Crippen Method
logp	5.154		Crippen Method
rinpol	1659.00		NIST Webbook
rinpol	1659.00		NIST Webbook
rinpol	1642.30		NIST Webbook
rinpol	1684.00		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=C107715899&Units=SI

Legend

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

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