N,O-Bis(dimethyl-t-butylsilyl)-l-isoleucine

Other names:	L-Isoleucine, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester
	tert-Butyl(dimethyl)silyl 2-([tert-butyl(dimethyl)silyl]amino)-3-methylpentanoate, (2S,3S)-
	Ile, bis-TBDMS
	Isoleucine diTBDMS
	Isoleucine, (2TBDMS)-
	Ile, TBDMS
	Isoleucine, TBDMS
	Isoleucine, 2tbdms derivative
Inchi:	InChI=1S/C18H41NO2Si2/c1-13-14(2)15(19-22(9,10)17(3,4)5)16(20)21-23(11,12)18(6,7)
InchiKey:	YSWZBRBBXWCEQZ-HUUCEWRRSA-N
Formula:	C18H41NO2Si2
SMILES:	CCC(C)C(N[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	359.69
CAS:	107715-90-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.38		Crippen Method
logp	5.544		Crippen Method
rinpol	1748.00		NIST Webbook
rinpol	1748.00		NIST Webbook
rinpol	1712.80		NIST Webbook
rinpol	1756.00		NIST Webbook
rinpol	1748.00		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=C107715902&Units=SI

Legend

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