Glutamic acid, N-(trimethylsilyl)-, bis(trimethylsilyl) ester, L-

Other names:	Glutamic acid (3TMS)
	L-Glutamic acid, N-(trimethylsilyl)-, bis(trimethylsilyl) ester
	Glutamic acid, N,O,O'-tris(trimethylsilyl)-I
	N,O,O'-Tris-(trimethylsilyl)glutamic acid
	L-Glutamic acid, N-(trimethylsilyl)-, 1,5-bis(trimethylsilyl) ester
	Glutamic acid, N,O,O-TMS
	Glu, N,O,O-TMS
	Glu, TMS
	Glutamine tms
	L-glutamic acid, 3tms derivative
Inchi:	InChI=1S/C14H33NO4Si3/c1-20(2,3)15-12(14(17)19-22(7,8)9)10-11-13(16)18-21(4,5)6/h
InchiKey:	STTWTJDZFSSNFS-GFCCVEGCSA-N
Formula:	C14H33NO4Si3
SMILES:	C[Si](C)(C)NC(CCC(=O)O[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	363.67
CAS:	15985-07-6

Physical Properties

Property code	Value	Unit	Source
log10ws	3.14		Crippen Method
logp	3.316		Crippen Method
rinpol	1629.00		NIST Webbook
rinpol	1655.51		NIST Webbook
rinpol	1634.25		NIST Webbook
rinpol	1629.40		NIST Webbook
rinpol	1647.08		NIST Webbook
rinpol	1642.34		NIST Webbook
rinpol	1655.51		NIST Webbook
rinpol	1629.00		NIST Webbook
rinpol	1634.25		NIST Webbook
rinpol	1642.34		NIST Webbook
ripol	1800.00		NIST Webbook
ripol	1800.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C15985076&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
ripol:	Polar retention indices