

# L-Glutamic acid, N-(tert-butyldimethylsilyl)-, bis(tert-butyldimethylsilyl) ester

<b>Other names:</b>	Bis[tert-butyl(dimethyl)silyl] 2-([tert-butyl(dimethyl)silyl]amino)pentanedioate, (L)-Glutamic acid, triTBDMS Glu, tris-TBDMS Glu, TBDMS L-glutamic acid, 3tbdms derivative
<b>Inchi:</b>	InChI=1S/C23H51NO4Si3/c1-21(2,3)29(10,11)24-18(20(26)28-31(14,15)23(7,8)9)16-17-
<b>InchiKey:</b>	WBLAMWCQIMLWPE-UHFFFAOYSA-N
<b>Formula:</b>	C23H51NO4Si3
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)NC(CCC(=O)O[Si](C)(C)C(C)(C)C(=O)O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	489.91
<b>CAS:</b>	107715-97-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.63		Crippen Method
logp	6.827		Crippen Method
rinpol	2276.00		NIST Webbook
rinpol	2251.00		NIST Webbook
rinpol	2282.00		NIST Webbook
rinpol	2276.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C107715979&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C107715979&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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