

# L-Lysine, N2,N6-bis(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

**Other names:** Lysine triTBDMS  
L-lysine, 3tdms derivative

**Inchi:** InChI=1S/C24H56N2O2Si3/c1-22(2,3)29(10,11)25-19-17-16-18-20(26-30(12,13)23(4,5)6

**InchiKey:** SDIUPMDEJJISFY-UHFFFAOYSA-N

**Formula:** C24H56N2O2Si3

**SMILES:** CC(C)(C)[Si](C)(C)NCCCC(N[Si](C)(C)C(C)(C)C(=O)O[Si](C)(C)C(C)(C)C

**Mol. weight [g/mol]:** 488.97

**CAS:** 107715-99-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.37		Crippen Method
logp	7.263		Crippen Method
rinpol	2381.00		NIST Webbook
rinpol	2359.70		NIST Webbook
rinpol	2381.00		NIST Webbook
rinpol	2359.70		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C107715991&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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