

# L-Ornithine, N2,N5-bis(tert-butyl dimethylsilyl)-, tert-butyl dimethylsilyl ester

Other names:

Orn-TBDMS  
Ornithine tritBDMS

L-ornithine, 3tbdms derivative

**Inchi:** InChI=1S/C23H54N2O2Si3/c1-21(2,3)28(10,11)24-18-16-17-19(25-29(12,13)22(4,5)6)20

**InchiKey:** HRPHCZYAYFOBLK-UHFFFAOYSA-N

**Formula:** C23H54N2O2Si3

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

**Mol. weight [g/mol]:** 474.94

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.96		Crippen Method
logp	6.873		Crippen Method
rinpol	2285.00		NIST Webbook
rinpol	2285.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U143213&Units=SI>

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

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

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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