

# L-Proline, 4-[(tert-butyl dimethylsilyl)oxy]-1-(tert-butyl dimethylsilyl) ester

Other names: 4-Hydroxy-Pro, TBDMSE  
L-hydroxyproline, 3tdms derivative

**Inchi:** InChI=1S/C23H51NO3Si3/c1-21(2,3)28(10,11)24-17-18(26-29(12,13)22(4,5)6)16-19(24)  
**InchiKey:** KUSFEDKRGCEAAT-UHFFFAOYSA-N  
**Formula:** C23H51NO3Si3  
**SMILES:** CC(C)(C)[Si](C)(C)OC(=O)C1CC(O[Si](C)(C)C(C)(C)C)CN1[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 473.91

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.24		Crippen Method
logp	7.005		Crippen Method

## 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=U221644&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/66-053-0/L-Proline-4-tert-butyl dimethylsilyl-oxy-1-tert-butyl dimethylsilyl-tert-butyl dimethylsilyl ester>

Generated by Cheméo on 2024-04-20 10:05:48.169839174 +0000 UTC m=+15896797.090416484.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.