

# L-Proline, 1-(tert-butyldimethylsilyl)-5-oxo-, tert-butyldimethylsilyl ester

<b>Other names:</b>	2-Pyrrolidone-5-carboxylic acid, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester 5-Oxoproline diTBDMS L-pyroglutamic acid, 2tbdms derivative
<b>Inchi:</b>	InChI=1S/C17H35NO3Si2/c1-16(2,3)22(7,8)18-13(11-12-14(18)19)15(20)21-23(9,10)17(
<b>InchiKey:</b>	LTQCVPWWURGDBV-UHFFFAOYSA-N
<b>Formula:</b>	C17H35NO3Si2
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)OC(=O)C1CCC(=O)N1[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	357.64
<b>CAS:</b>	107716-03-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.25		Crippen Method
logp	4.531		Crippen Method
rinpol	1956.00		NIST Webbook
rinpol	1944.70		NIST Webbook
rinpol	1956.00		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=C107716030&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C107716030&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
<b>rinpol:</b>	Non-polar retention indices

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