

# N-Acetyl-L-phenylalanine, tert-butyldimethylsilyl ester

<b>Other names:</b>	tert-Butyl(dimethyl)silyl N-acetylphenylalaninate N-acetyl-L-phenylalanine, tbdms derivative
<b>Inchi:</b>	InChI=1S/C17H27NO3Si/c1-13(19)18-15(12-14-10-8-7-9-11-14)16(20)21-22(5,6)17(2,3)
<b>InchiKey:</b>	VINKUEAJNUHJPG-UHFFFAOYSA-N
<b>Formula:</b>	C17H27NO3Si
<b>SMILES:</b>	CC(=O)NC(Cc1cccc1)C(=O)O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	321.49

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.03		Crippen Method
logp	3.282		Crippen Method
rinpol	2052.30		NIST Webbook

## Sources

<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>
<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=U332877&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U332877&amp;Units=SI</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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