

# Alanine, 2-methyl-N-(trimethylsilyl)-, trimethylsilyl ester

<b>Other names:</b>	«beta»-Amino isobutyric acid bis(trimethylsilyl)- N,O-Bis-(trimethylsilyl)-2-amino-2-methylpropionic acid B-Aminoisobutyric acid, TMS, # 1 A-Aminoisobutyric acid, TMS 2-Methylalanine, 2tms derivative
<b>Inchi:</b>	InChI=1S/C10H25NO2Si2/c1-10(2,11-14(3,4)5)9(12)13-15(6,7)8/h11H,1-8H3
<b>InchiKey:</b>	JBRYJRJOTQZDML-UHFFFAOYSA-N
<b>Formula:</b>	C10H25NO2Si2
<b>SMILES:</b>	CC(C)(N[Si](C)(C)C)C(=O)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	247.48
<b>CAS:</b>	54745-23-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.73		Crippen Method
logp	2.568		Crippen Method
rinpol	1148.00		NIST Webbook
rinpol	1216.00		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=C54745232&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C54745232&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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