

# N,O-Bis-(trimethylsilyl)alanine

<b>Other names:</b>	Alanine, di-TMS Alanine, bis-TMS Ala, di-TMS Ala, TMS Alanine, 2TMS Alanine, TMS Alanine, O,N-bis-TMS Alanine, 2tms derivative
<b>Inchi:</b>	InChI=1S/C9H23NO2Si2/c1-8(10-13(2,3)4)9(11)12-14(5,6)7/h8,10H,1-7H3
<b>InchiKey:</b>	FRWXSQKQFKDEAOY-UHFFFAOYSA-N
<b>Formula:</b>	C9H23NO2Si2
<b>SMILES:</b>	CC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	233.46
<b>CAS:</b>	2899-44-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.14		Crippen Method
logp	2.177		Crippen Method
rinpol	1110.27		NIST Webbook
rinpol	1113.37		NIST Webbook
rinpol	1119.33		NIST Webbook
rinpol	1090.00		NIST Webbook
rinpol	1106.11		NIST Webbook
rinpol	1105.00		NIST Webbook
rinpol	1114.00		NIST Webbook
rinpol	1125.00		NIST Webbook
rinpol	1090.00		NIST Webbook
rinpol	1093.00		NIST Webbook
ripol	1206.10		NIST Webbook

## Sources

**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=C27844071&Units=SI>

**Crippen Method:**

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

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpola:</b>	Non-polar retention indices
<b>ripola:</b>	Polar retention indices

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