

# Phosphonic acid, (aminomethyl)-, bis(trimethylsilyl) ester

Other names:	Bis(trimethylsilyloxy)phosphorylmethanamine
Inchi:	InChI=1S/C7H22NO3PSi2/c1-13(2,3)10-12(9,7-8)11-14(4,5)6/h7-8H2,1-6H3
InchiKey:	AUVIDVFXEBATCS-UHFFFAOYSA-N
Formula:	C7H22NO3PSi2
SMILES:	C[Si](C)(C)OP(=O)(CN)O[Si](C)(C)C
Mol. weight [g/mol]:	255.40
CAS:	53044-29-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.77		Crippen Method
logp	2.799		Crippen Method
rinpol	1326.00		NIST Webbook

## Sources

Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C53044294&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C53044294&amp;Units=SI</a>

## Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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