

# Phosphonic acid, [2-[(trimethylsilyl)amino]ethyl]-, bis(trimethylsilyl) ester

Other names: 2-Bis(trimethylsilyloxy)phosphoryl-N-(trimethylsilyl)ethanamine

InChI: InChI=1S/C11H32NO3PSi3/c1-17(2,3)12-10-11-16(13,14-18(4,5)6)15-19(7,8)9/h12H,10-

InchiKey: YRFXTYXVBFLDPF-UHFFFAOYSA-N

Formula: C11H32NO3PSi3

SMILES: C[Si](C)(C)NCCP(=O)(O[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]: 341.61

CAS: 56051-90-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.78		Crippen Method
logp	4.307		Crippen Method
rinpol	1301.00		NIST Webbook
rinpol	1301.00		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=C56051902&Units=SI>

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

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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