

# Phosphonic acid, [3-[(trimethylsilyl)amino]propyl]-, bis(trimethylsilyl) ester

Other names: Bis(trimethylsilyl) 3-[(trimethylsilyl)amino]propylphosphonate

Inchi: InChI=1S/C12H34NO3PSi3/c1-18(2,3)13-11-10-12-17(14,15-19(4,5)6)16-20(7,8)9/h13H,

InchiKey: BFBPLVZCFYBAHJ-UHFFFAOYSA-N

Formula: C12H34NO3PSi3

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

Mol. weight [g/mol]: 355.63

CAS: 56051-92-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.36		Crippen Method
logp	4.697		Crippen Method
rinpol	1660.00		NIST Webbook

## Sources

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

Crippen Method: [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C56051924&Units=SI>

## Legend

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

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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