

Phosphonic acid, [[trimethylsilyl]amino]methyl]-, bis(trimethylsilyl) ester

Other names: 1-Bis(trimethylsilyloxy)phosphoryl-N-trimethylsilyl-methanamine

InChI: InChI=1S/C10H30NO3PSi3/c1-16(2,3)11-10-15(12,13-17(4,5)6)14-18(7,8)9/h11H,10H2,

InchiKey: LGIHWBCBJHIWMS-UHFFFAOYSA-N

Formula: C10H30NO3PSi3

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

Mol. weight [g/mol]: 327.58

CAS: 53044-36-3

Physical Properties

Property code	Value	Unit	Source
log10ws	1.71		Crippen Method
logp	4.264		Crippen Method
rinpol	1465.00		NIST Webbook
rinpol	1465.00		NIST Webbook

Sources

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

Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C53044363&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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