Bis(tert-butyldimethylsilyl) 2-[(tert-butyldimethylsilyl)amino]ethylphosphonat

Other names: Phosphonic acid, [2-[(tert-butyldimethylsilyl)amino]ethyl]-, bis(tert-butyldimethylsilyl) ester
2-Bis(tert-butyldimethylsilyloxy)phosphoryl-N-tert-butyldimethylsilyl-ethanamine

Inchi: InChI=1S/C20H50NO3PSi3/c1-18(2,3)26(10,11)21-16-17-25(22,23-27(12,13)19(4,5)6)24

InchiKey: MWAOCBMMJSWPBR-UHFFFAOYSA-N

Formula: C20H50NO3PSi3

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

Mol. weight [g/mol]: 467.85

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.98		Crippen Method
logp	7.818		Crippen Method
rinpol	2137.00		NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U373307&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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