

Trimethylsilyl 4-bis(trimethylsilyloxy)phosphorylbutanoate

Inchi: InChI=1S/C13H33O5PSi3/c1-20(2,3)16-13(14)11-10-12-19(15,17-21(4,5)6)18-22(7,8)9/h
InchiKey: XQFRLDBVUGLFBI-UHFFFAOYSA-N
Formula: C13H33O5PSi3
SMILES: C[Si](C)(C)OC(=O)CCCP(=O)(O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]: 384.63

Physical Properties

Property code	Value	Unit	Source
log10ws	1.27		Crippen Method
logp	5.041		Crippen Method
rinpol	1715.00		NIST Webbook
rinpol	1715.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U372925&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/123-607-1/Trimethylsilyl-4-bis-trimethylsilyloxy-phosphorylbutanoate.pdf>

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