

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

## Legend

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

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