

# Phosphoserine, TMS # 2

**Inchi:** InChI=1S/C14H38NO6PSi4/c1-23(2,3)15-13(14(16)19-24(4,5)6)18-22(17,20-25(7,8)9)21  
**InchiKey:** NYIHDAPZZOYDMH-UHFFFAOYSA-N  
**Formula:** C14H38NO6PSi4  
**SMILES:** C[Si](C)(C)NC(OP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)C(=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 459.77

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.93		Crippen Method
logp	4.943		Crippen Method
rinpol	1884.00		NIST Webbook
rinpol	1884.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R401444&Units=SI>

## 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/78-530-7/Phosphoserine-TMS-2.pdf>

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