

# 3,5-Dioxa-4-phospha-2-silaheptan-7-oic acid, 2,2-dimethyl-4-[(trimethylsilyl)oxy]-6-[[trimethylsilyl]oxy]-3-oxo-4-oxide

<b>Other names:</b>	Lactic acid, 3-[(trimethylsilyloxy)-, trimethylsilyl ester, bis(trimethylsilyl) phosphate Propanoic acid, 2-[[bis[(trimethylsilyl)oxy]phosphinyl]oxy]-3-[(trimethylsilyl)oxy]-, trimethylsilyl ester 2-Phosphoglyceric acid, tetrakis-TMS
<b>Inchi:</b>	InChI=1S/C15H39O7PSi4/c1-24(2,3)18-13-14(15(16)20-25(4,5)6)19-23(17,21-26(7,8)9)2
<b>InchiKey:</b>	IRENEPHXOZARAB-UHFFFAOYSA-N
<b>Formula:</b>	C15H39O7PSi4
<b>SMILES:</b>	C[Si](C)(C)OCC(OP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)C(=O)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	474.78
<b>CAS:</b>	31038-14-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	3.11		Crippen Method
logp	5.412		Crippen Method
rinpol	1797.00		NIST Webbook
rinpol	1797.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C31038149&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C31038149&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

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

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