

# Phosphoric acid, bis[2,3-bis(trimethylsilyloxy)propyl] trimethylsilyl ester

Other names: Phosphoric acid, bis[2,3-bis(trimethylsiloxy)propyl] trimethylsilyl ester  
Glycerophosphoglycerol, 5TMS

**Inchi:** InChI=1S/C21H55O8PSi5/c1-31(2,3)25-18-20(27-33(7,8)9)16-23-30(22,29-35(13,14)15)  
**InchiKey:** OABPYCCCPPLWNE-UHFFFAOYSA-N  
**Formula:** C21H55O8PSi5  
**SMILES:** C[Si](C)(C)OCC(COP(=O)(OCC(CO[Si](C)(C)C)O[Si](C)(C)C)O[Si](C)(C)C)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 607.06  
**CAS:** 32046-28-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.03		Crippen Method
logp	7.122		Crippen Method
rinpol	2171.00		NIST Webbook
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## Sources

**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=C32046289&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

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

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