

Silanol, trimethyl-, pyrophosphate (4:1)

Other names:	Pyrophosphate, tetrakis(trimethylsilyl) ester
Inchi:	InChI=1S/C12H36O7P2Si4/c1-22(2,3)16-20(13,17-23(4,5)6)15-21(14,18-24(7,8)9)19-25
InchiKey:	JDZAIGYGOBAGGF-UHFFFAOYSA-N
Formula:	C12H36O7P2Si4
SMILES:	C[Si](C)(C)OP(=O)(O[Si](C)(C)C)OP(=O)(O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]:	466.70
CAS:	18395-45-4

Physical Properties

Property code	Value	Unit	Source
log10ws	0.99		Crippen Method
logp	6.625		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18395454&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/75-543-6/Silanol-trimethyl-pyrophosphate-4-1.pdf>

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