O,O-Diethyl O-(trimethylsilyl) thiophosphate

Inchi: InChI=1S/C7H19O3PSSi/c1-6-8-11(12,9-7-2)10-13(3,4)5/h6-7H2,1-5H3
InchiKey: QYJATJDTZMOJSA-UHFFFAOYSA-N
Formula: C7H19O3PSSi
SMILES: CCOP(=S)(OCC)O[Si](C)(C)C
Mol. weight [g/mol]: 242.35

Physical Properties

Property code	Value	Unit	Source
log10ws	3.68		Crippen Method
logp	3.135		Crippen Method
rinpol	1213.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U332824&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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