

o-[tert-Butyl(dimethyl)silyl] O,O-diethyl thiophosphate

Inchi:	InChI=1S/C10H25O3PSSi/c1-8-11-14(15,12-9-2)13-16(6,7)10(3,4)5/h8-9H2,1-7H3
InchiKey:	WCUPKYBDEHMMGD-UHFFFAOYSA-N
Formula:	C10H25O3PSSi
SMILES:	CCOP(=S)(OCC)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	284.43

Physical Properties

Property code	Value	Unit	Source
log10ws	2.43		Crippen Method
logp	4.306		Crippen Method
rinpol	1415.80		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U332823&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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<https://www.chemeo.com/cid/83-428-5/o-tert-Butyl-dimethyl-silyl-O-O-diethyl-thiophosphate.pdf>

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