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
ie	8.66	eV	Cheméo Relay (1.0)
logp	4.306		Crippen Method
rinpol	1415.80		NIST Webbook
rinpol	1415.80		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U332823&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

ie: Ionization energy
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices