1-Pentanol, tert-butyldimethylsilyl ether

Other names:	tert-Butyl(dimethyl)(pentyloxy)silane
	1-Pentanol, DMTBS
	1-Pentanol, O-TBDMS
	1-Pentanol, tBDMS
	1-Pentanol, tbdms derivative
Inchi:	InChI=1S/C11H26OSi/c1-7-8-9-10-12-13(5,6)11(2,3)4/h7-10H2,1-6H3
InchiKey:	JZZUDMZDKGREBV-UHFFFAOYSA-N
Formula:	C11H26OSi
SMILES:	CCCCCO[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	202.41

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.57		Crippen Method
logp	4.198		Crippen Method
rinpol	1107.00		NIST Webbook
rinpol	1100.10		NIST Webbook
rinpol	1107.00		NIST Webbook
rinpol	1107.00		NIST Webbook
rinpol	1100.10		NIST Webbook
ripol	1106.00		NIST Webbook
ripol	1106.00		NIST Webbook
ripol	1106.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U333044&Units=SI

Legend

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