

Methyl 3,4-O-isopropylidene-L-threonate, trimethylsilyl ether

Other names:	Methyl 3,4-o-isopropylidene-l-threonate, tms derivative
Inchi:	InChI=1S/C11H22O5Si/c1-11(2)14-7-8(15-11)9(10(12)13-3)16-17(4,5)6/h8-9H,7H2,1-6H
InchiKey:	ZZLDEXWJQNDGQG-UHFFFAOYSA-N
Formula:	C11H22O5Si
SMILES:	COC(=O)C(O[Si](C)(C)C)C1COC(C)(C)O1
Mol. weight [g/mol]:	262.37

Physical Properties

Property code	Value	Unit	Source
log10ws	0.67		Crippen Method
logp	1.531		Crippen Method
rinpola	1323.30		NIST Webbook
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Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U352500&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
rinpola:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/19-174-8/Methyl-3-4-O-isopropylidene-L-threonate-trimethylsilyl-ether.pdf>

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