

Threono-1,4-lactone, di-TMS

Other names:	Threonic acid, 1,4-lactone, TMS Threono-1,4-lactone, bis-TMS
Inchi:	InChI=1S/C10H22O4Si2/c1-15(2,3)13-8-7-12-10(11)9(8)14-16(4,5)6/h8-9H,7H2,1-6H3
InchiKey:	ASNBNVBJKSVIT-UHFFFAOYSA-N
Formula:	C10H22O4Si2
SMILES:	C[Si](C)(C)OC1COC(=O)C1O[Si](C)(C)C
Mol. weight [g/mol]:	262.45

Physical Properties

Property code	Value	Unit	Source
log10ws	2.73		Crippen Method
logp	1.983		Crippen Method
rinpol	1383.00		NIST Webbook
rinpol	1385.00		NIST Webbook
rinpol	1385.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R52046&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.cheméo.com/cid/70-588-2/Threono-1-4-lactone-di-TMS.pdf>

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