# GENERAL STRATEGY FOR THE SYNTHESIS OF UNSATURATED CARBASUGARS VIA A DIASTEREOSELECTIVE SELENO-MICHAEL/ALDOL REACTION

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### Supporting information

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Spectra.....2

Entry	solvent	TMSCl [equiv]	lm [equiv]	MS 4Å [+/-]	conversion
1.	THF	6	18	-	partial
2.	DCM	6	18	-	partial
3.	THF/DCM (v/v 1:1)	6	18	-	partial
4.	THF	6	18	-	partial
5.	DCM	6	18	-	partial
6.	THF	6	24	-	partial
7.	THF	8	24	-	partial
8.	THF	8	24	+	complete
9.	DCM	8	24	+	partial
10.	THF	6	18	+	partial

**Table 1.** Optimization table for preparation *per-O*-silylated  $\omega$ -hydroxy  $\alpha$ , $\beta$ -unsaturated esters.

Conditions: 15 min/ 0 °C then 1 h in RT then 2 h/ 50 °C, a conversion of substrate based on TLC Hx/EA 7:1.











<sup>13</sup>C NMR spectrum of **17** 





HRMS spectrum of 17



<sup>13</sup>C NMR spectrum of **18** 



HSQC spectrum of 18



HRMS spectrum of 18



<sup>13</sup>C NMR spectrum of **19** 





HRMS spectrum of 19





HSQC spectrum of 20



HRMS spectrum of 20