

Enzymatic synthesis of estolides from castor oil

Table S1. MALDI MS analysis of product mixtures with different water content.

%Water	R	E1	E2	E3	E4	G1	G2	G3	G4	G5	G6
0	-	+	-	-	-	+	+	+	-	-	-
20	+	+	+	+	+	+	+	+	+	+	+
33	+	+	+	+	+	+	+	+	+	+	+
43	+	+	+	+	-	+	+	+	+	+	+
50	-	+	+	+	-	+	+	+	+	+	+
60	-	+	+	+	-	+	+	+	+	+	-
64	-	+	-	-	-	+	+	+	+	+	-
67	-	+	-	-	-	+	+	+	+	+	-

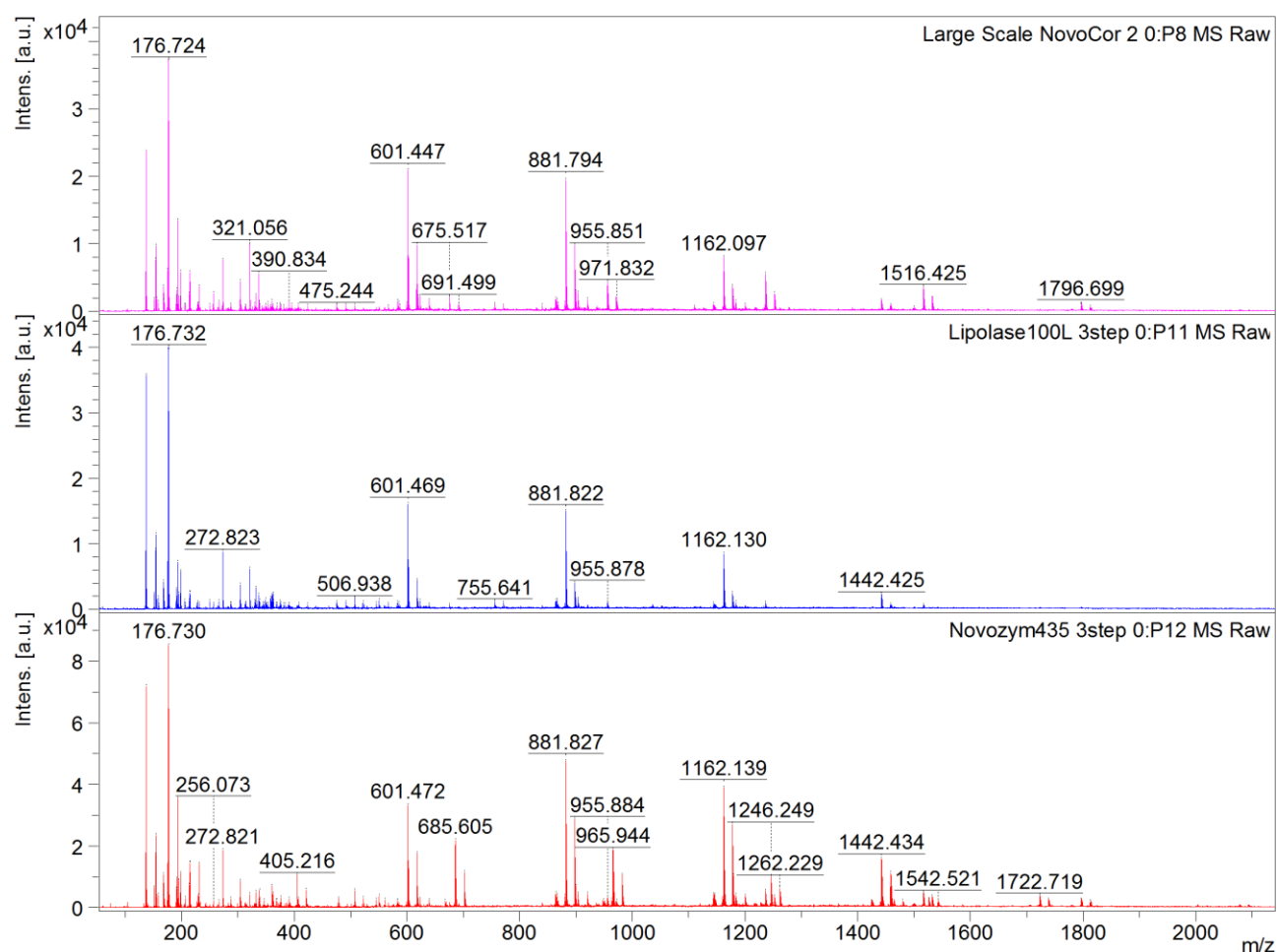


Figure S1. MS-spectrum of 3-enzyme process, showing result as step 1 (top), step 2 (middle), step 3 (bottom).

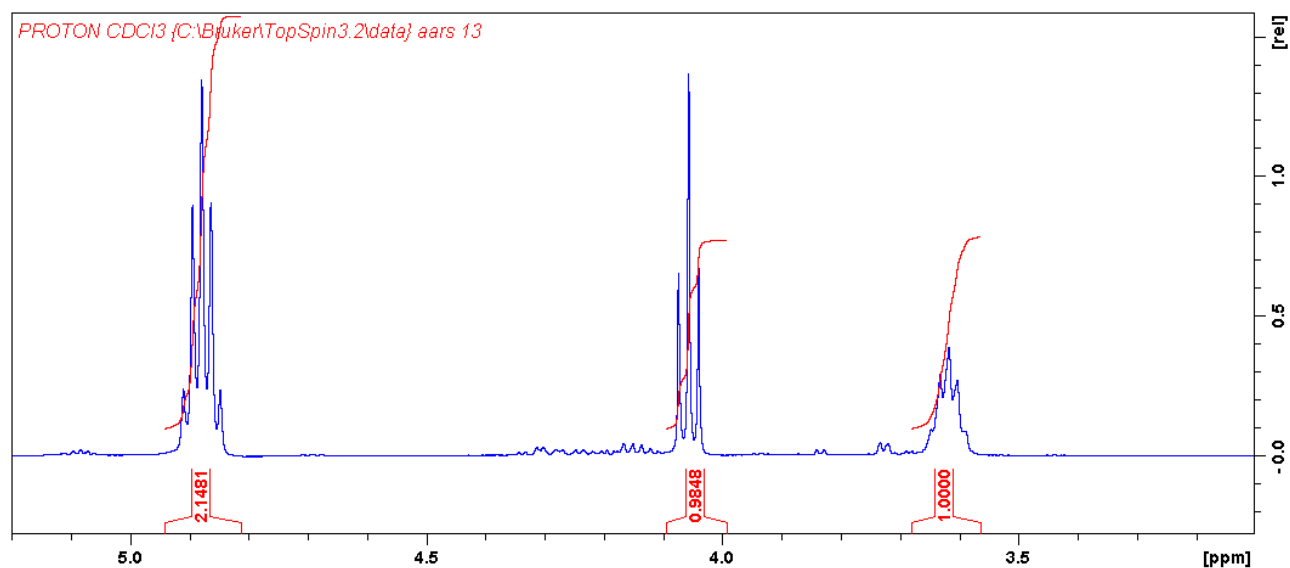


Figure S2. NMR spectrum of 3-enzyme process, showing from only the 3-5 ppm part of the spectrum. Signals are from left to right the esterified ricinoleic -CH-OR, the hexyl ester -CH₂O-, and the free ricinoleic -CH-OH.