

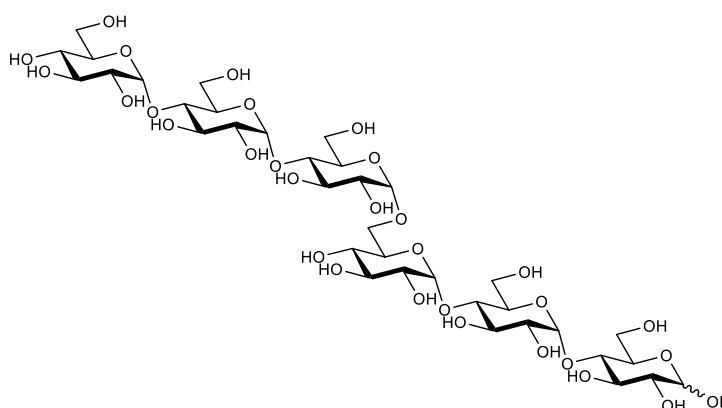


## 6<sup>3</sup>-α-D-Maltotriosyl-Maltotriose (Lot 140401a)

O-MTMT

09/19

**Molecular Formula:** C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>  
**MW:** 990.9  
**CAS:** 64144-68-9



### PREPARATION:

Prepared by controlled enzymic hydrolysis of pullulan.

**PURITY:** > 85% (HPLC)

### HPLC:

Column: Shodex Asahipak NH2P-40 3E, guard and analytical columns (3 x 25 mm)

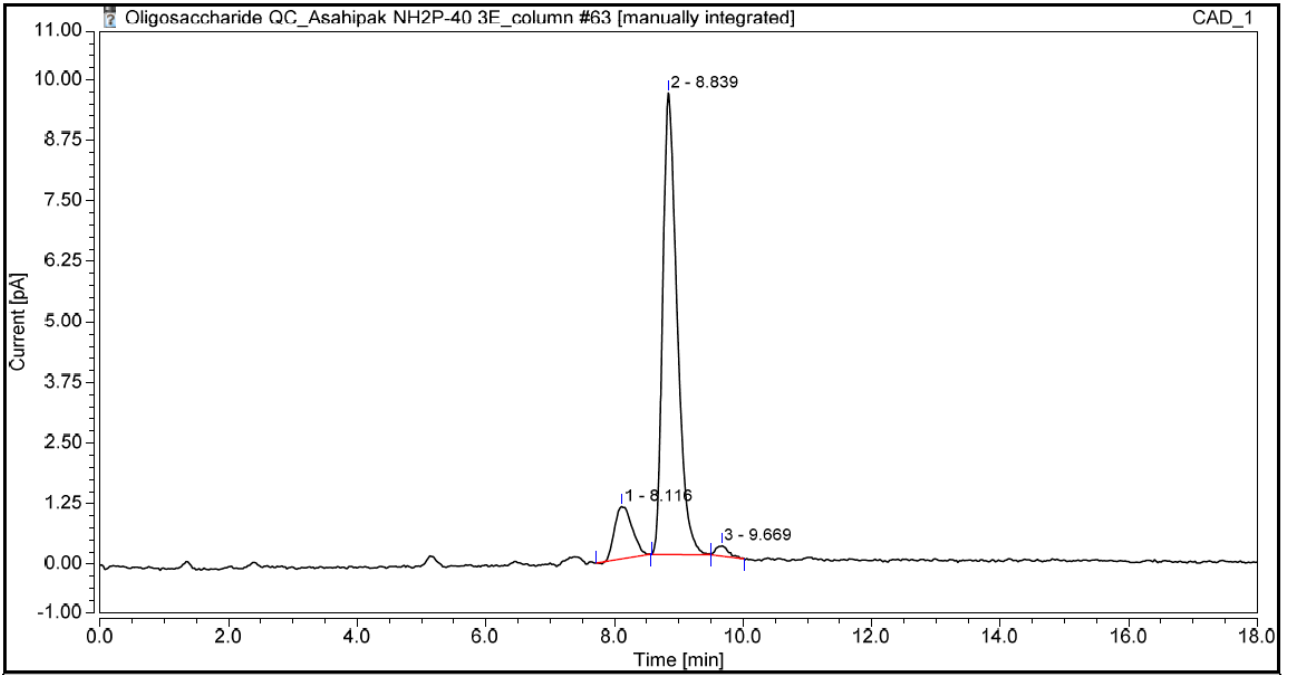
Temperature: 35°C

Flow rate: 0.35 mL/min (Eluent gradient shown below)

Detector: CAD (Charged Aerosol Detector)

HPLC System: Thermofisher U3000 Ultimate and Chromeleon v 7.0 software

Time (min)	H <sub>2</sub> O (%)	CH <sub>3</sub> CN (%)
0	40	60
1	40	60
14	60	40
16	40	60
18	40	60



Integration Results							
No.	Peak Name	Retention Time min	Area pA*min	Height pA	Relative Area %	Relative Height %	Amount n.a.
1		8.116	0.340	1.081	11.90	9.99	n.a.
2		8.839	2.469	9.526	86.39	88.02	n.a.
3		9.669	0.049	0.216	1.71	1.99	n.a.
<b>Total:</b>			<b>2.858</b>	<b>10.823</b>	<b>100.00</b>	<b>100.00</b>	

**TLC:**

*n*-Propanol:Nitromethane:H<sub>2</sub>O = 5:2:3 (run once) on Merck TLC Silicagel 60F<sub>254</sub>

