



2³,3³-di- α -L-Arabinofuranosyl-xylotriose (A^{2,3}XX) (Lot 150805)

O-A23XX-50MG

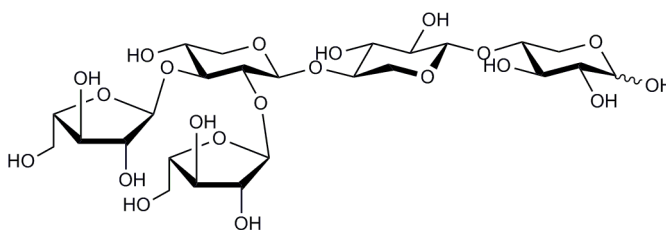
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Molecular

Formula: C₂₅H₄₂O₂₁

MW: 678.6

CAS: 155696-89-2



PREPARATION:

Prepared by controlled enzymic hydrolysis of wheat flour arabinoxylan

PURITY: > 95%

HPLC:

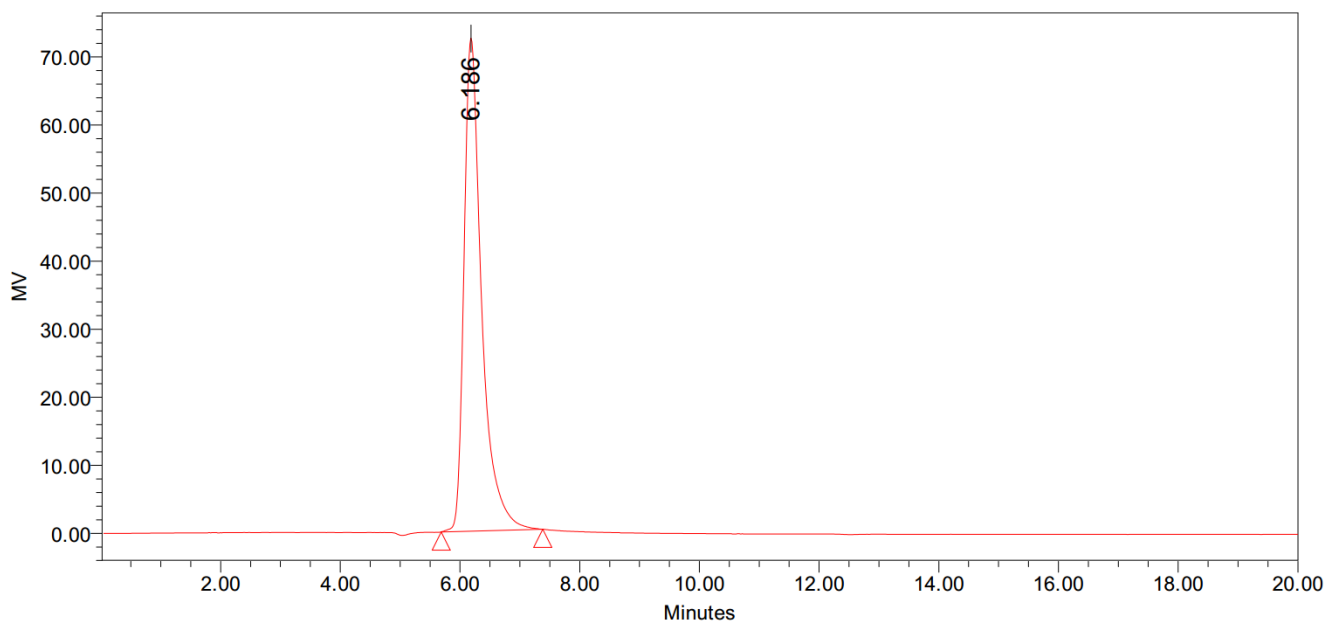
Column: Waters SugarPak I (6.5 x 300 mm)

Temperature: 90°C

Mobile phase: dH₂O with disodium calcium EDTA (50 mg/L) [Sigma Cat No. ED2SC]

Flow rate: 0.5 mL/min

HPLC System: Waters Breeze system, Waters 2410 RI detector and Empower v 2 software



Peak Results

Name	RT	Area	% Area	Height	% Height
1	6.186	1479385	100.00	72465	100.00

HPAEC-PAD:

Column: CarboPac PA200 guard and analytical columns (3 x 250 mm)

Temperature: 30°C

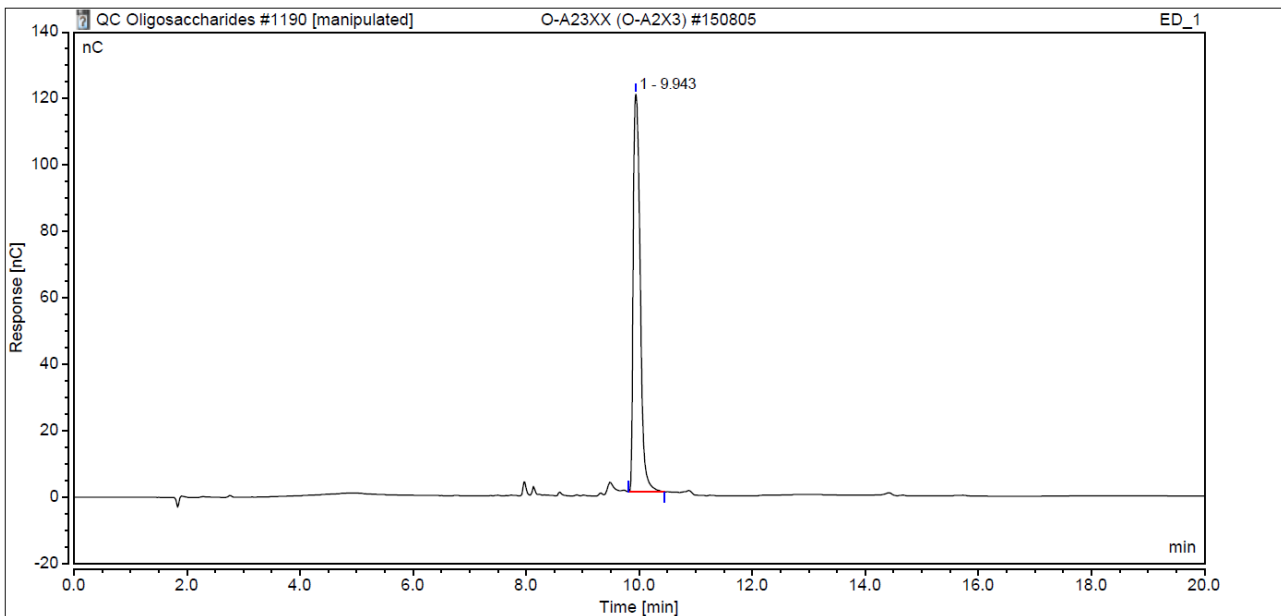
Detector: Au electrode; waveform Carbohydrate, standard quad

Flow rate: 0.5 mL/min

IC system: Dionex ICS5000+ DP system and Chromeleon 7 software

A stepwise linear gradient method was employed as shown.

Time (min)	100 mM NaOH (%)	120 mM NaOAc (%)
0	100	0
5	55	45
9	30	70
10	0	100

**TLC:** n -Propanol : Ethanol : H₂O = 7:1:2 (run once) on Merck TLC Silicagel 60F₂₅₄