

6³, 6⁴-α-D-GALACTOSYL-MANNOPENTAOSE (Lot 190505)

O-GGM5

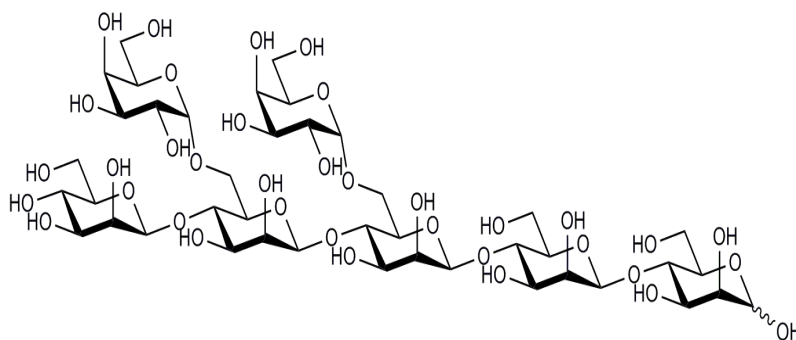
03/22

CAS: 86781-72-8

Molecular C₄₂H₇₂O₃₆

Formula:

MW: 1153.0



PURITY: > 95% (HPLC)

PREPARATION: Prepared by controlled enzymic hydrolysis of carob galactomannan.

HPLC:

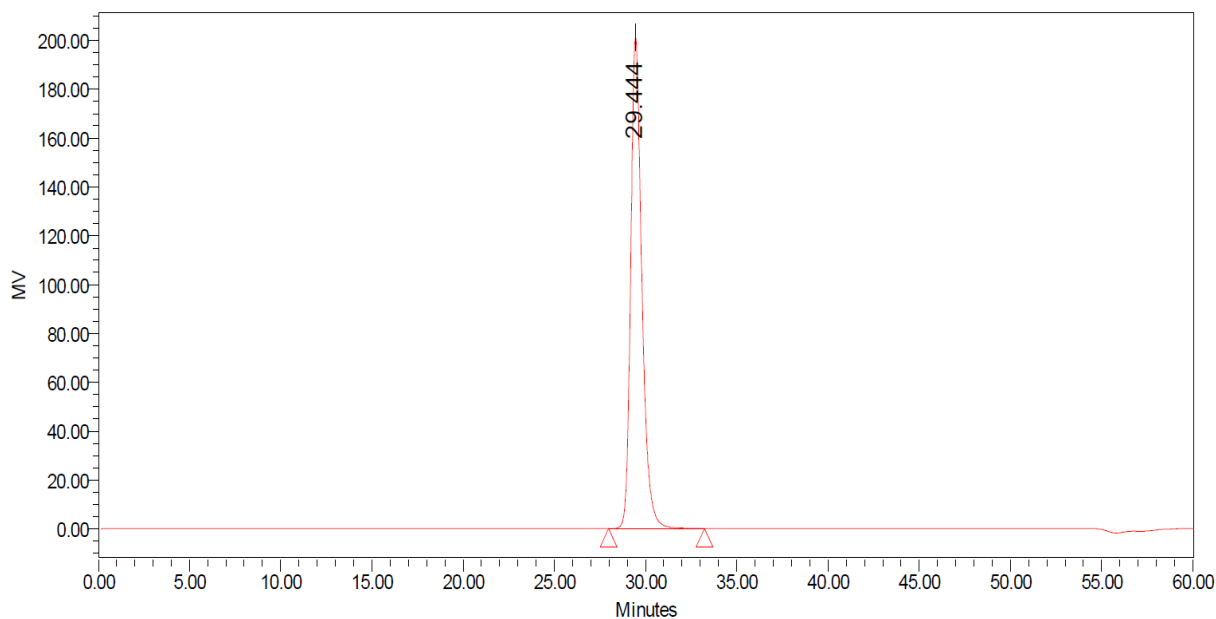
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm).

Temperature: 80°C

Mobile phase: dH₂O

Flow rate: 0.5 mL/min

HPLC system: Waters Alliance e2695 Separations Module, Waters 2414 RI detector and Empower v 3 software



Processed Channel: 410

	Processed Channel	Retention Time (min)	Area	% Area	Height
1	410	29.444	8533958	100.00	201348

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 in 100mM NaOH (%)	H ₂ O (%)
0	100	0	0
2	100	0	0
14	85	15	0
14.5	0	100	0
23	0	100	0
24	100	0	0
30	100	0	0

