

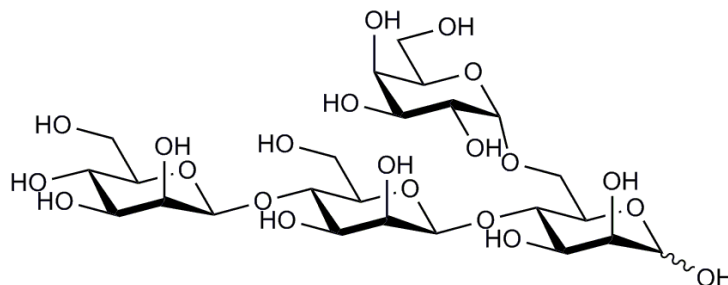


6'- α -D-GALACTOSYL-MANNOTRIOSE (Lot I30703a)

O-GM3

03/19

Molecular Formula: $C_{24}H_{42}O_{21}$
MW: 666.6
CAS: 82220-78-8



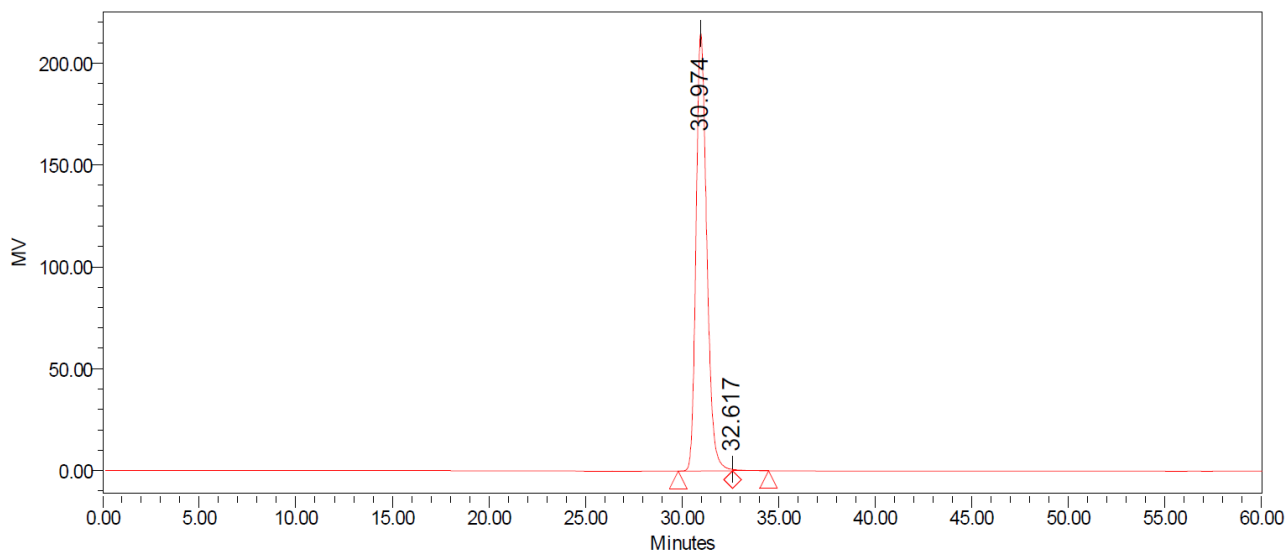
PREPARATION:

Prepared by controlled enzymic hydrolysis of carob galactomannan

PURITY: > 95% (HPLC)

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: dH_2O
 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	30.974	8277800	99.65	215006
2	410	32.617	29116	0.35	767

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
0	100	0
2	100	0
14	85	15
14.5	0	100

