



DIGALACTURONIC ACID (Lot 171202)

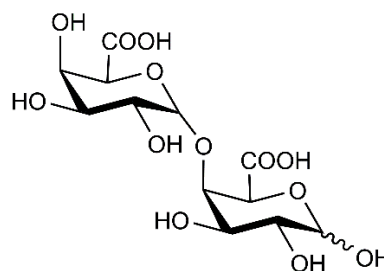
O-GALA2

12/17

CAS: 5894-59-7

Molecular Formula: C₁₂H₁₈O₁₃

MW: 370.26



PREPARATION:

Prepared by controlled enzymatic hydrolysis of polygalacturonic acid.

PURITY: > 95% (TLC)

HPAEC-PAD:

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

Temperature: 30°C

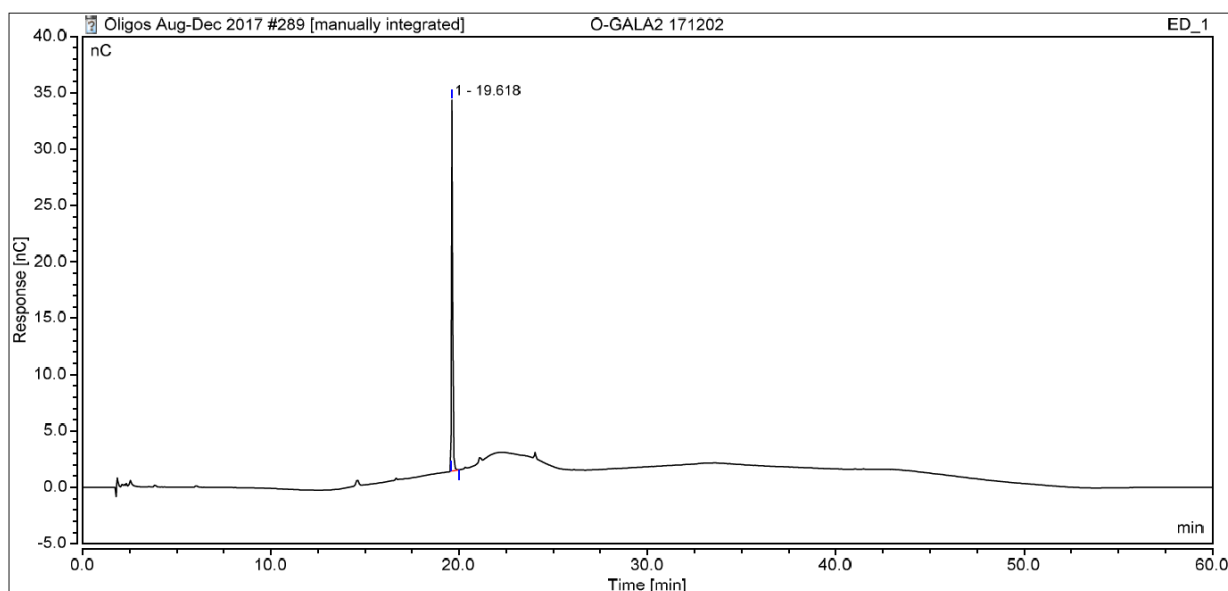
Detector: Au electrode; waveform Carbohydrate, standard quad

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 (%)	600 mM NaOAc in 100 mM NaOH (%)	500 mM NaOH (%)
0	95	5	0
10	95	5	0
20	50	50	0
30	20	80	0
40	0	50	50
50	95	5	0
60	95	5	0



TLC:

IMS : H₂O : Acetic Acid = 10:10:0.1 (run once) on Merck TLC Silicagel 60F₂₅₄

