



ARABINOTRIOSE (Lot I30903a)

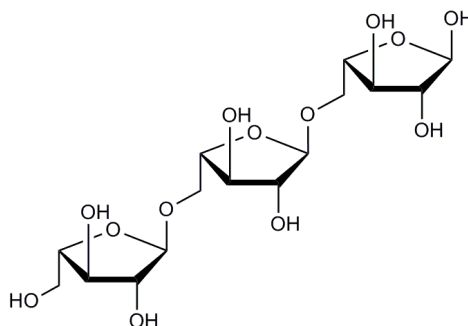
O-ATR

07/19

Molecular Formula: $C_{15}H_{26}O_{13}$
MW: 414.4
CAS: 89315-59-3

PREPARATION:

Prepared by controlled enzymic hydrolysis of debranched sugar beet arabinan.



PURITY: > 95% (HPLC)

HPLC:

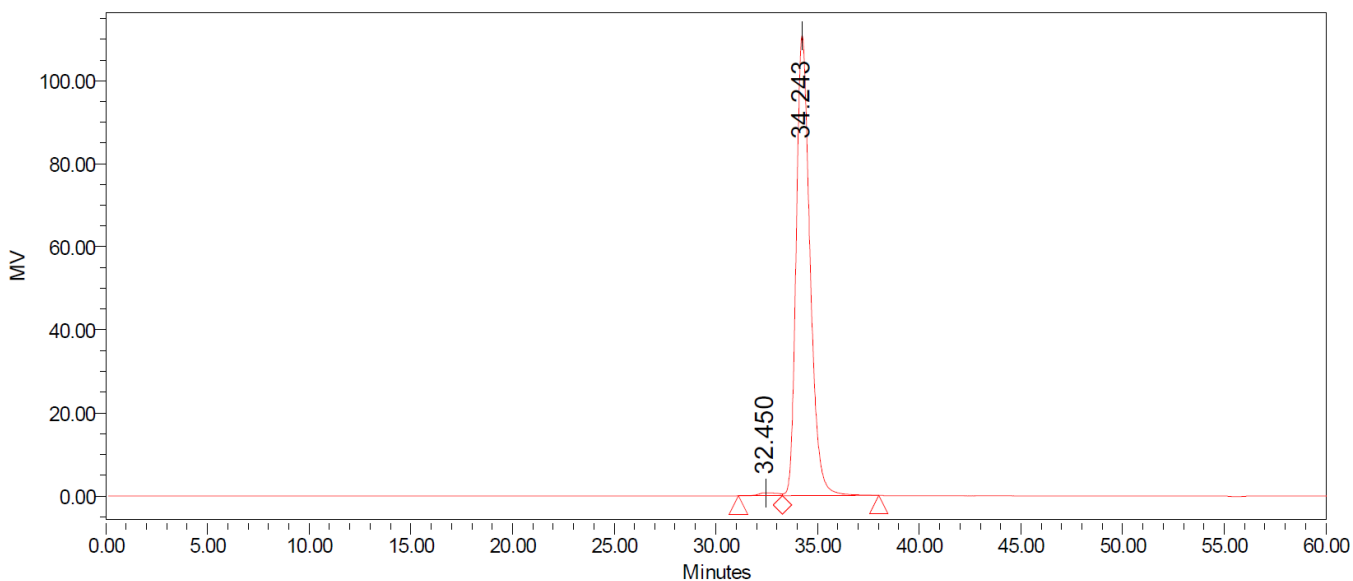
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)

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	32.450	47875	0.91	725
2	410	34.243	5232294	99.09	110785

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: 0.4 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 (%)	320 mM NaOAc (%) in 100mM NaOH
0	100	0
2	100	0
17	0	100

