



4-METHYLUMBELLIFERYL- β -LAMINARITETRAOSIDE (Lot 1505AL3-164)

O-4MULAM4

05/15

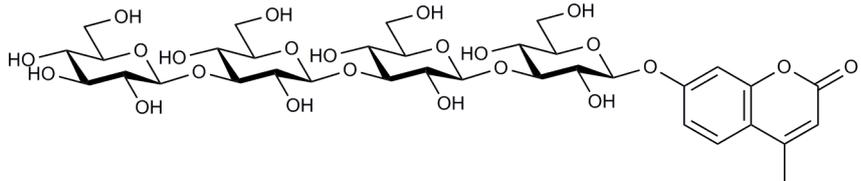
Synonym: MU- β -laminaritetraoside, 4MU- β -laminaritetraoside

CAS: 618879-31-5

Molecular

Formula: $C_{34}H_{48}NO_{23}$

MW: 824.7



PURITY: > 98%

HPLC:

Column :- Acclaim 120 C18, 3 μ m (3 x 150 mm)

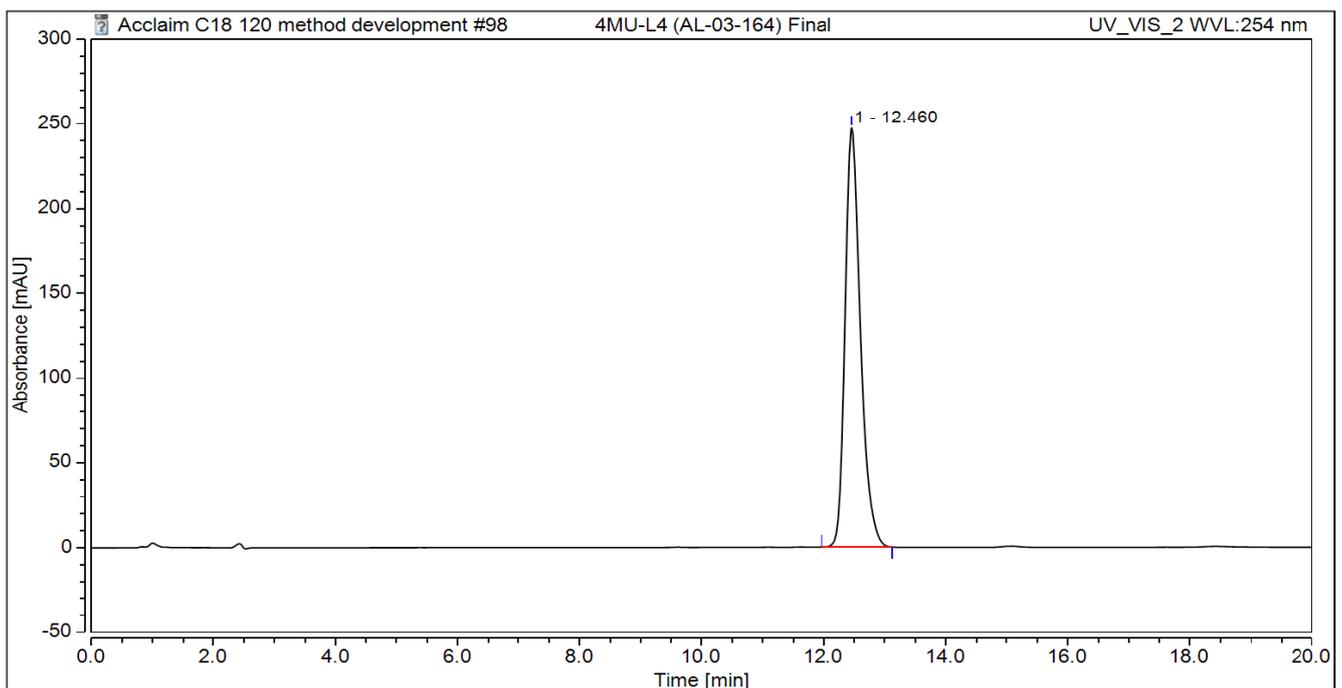
Temperature :- 55°C

Flow rate :- 0.4 mL/min (Eluent gradient shown below)

Detector :- UV (256 nm)

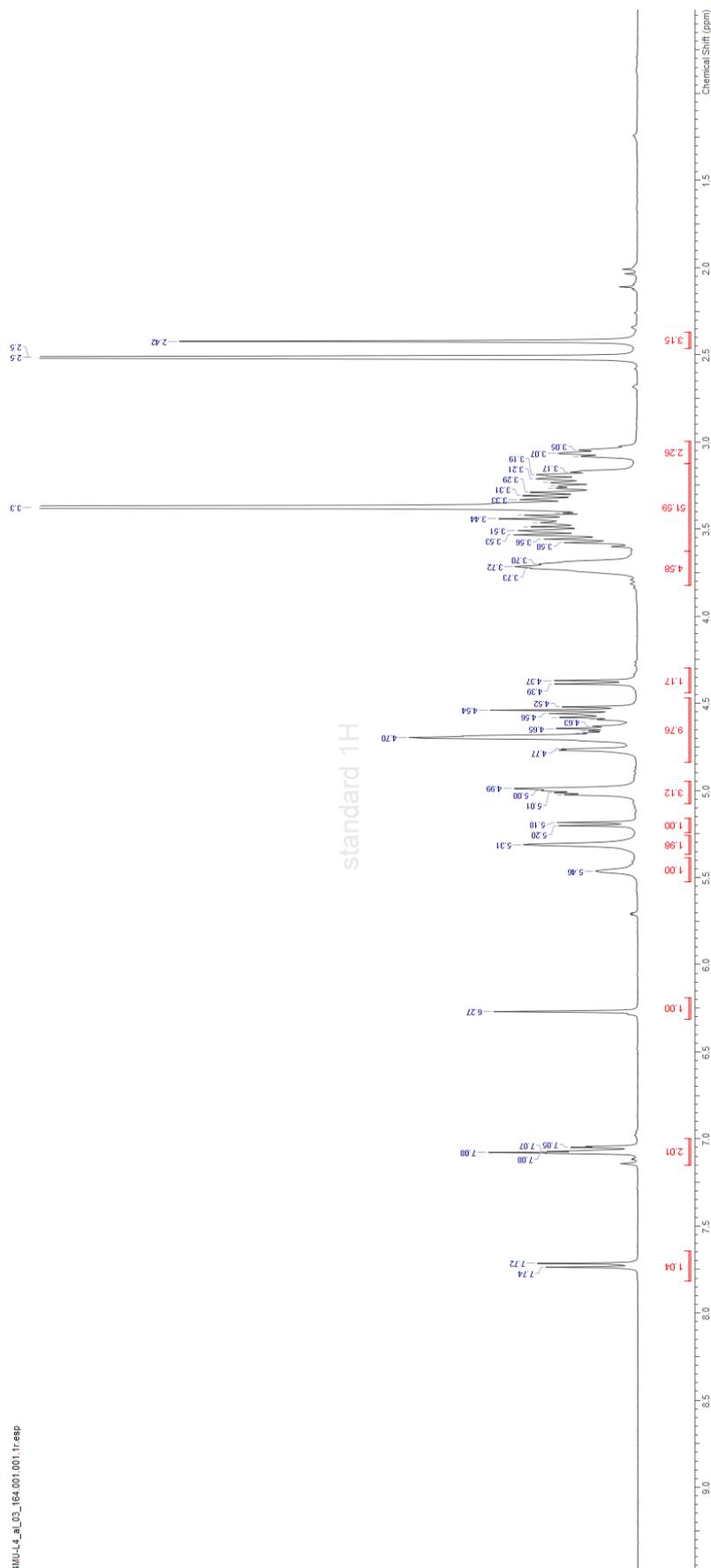
HPLC System :- Thermofisher U3000 Ultimate and Chromeleon v 7.0 software

Time (min)	H ₂ O (%)	CH ₃ CN (%)
0	90	10
1	90	10
13	80	20
15	90	10
20	90	10



¹H-NMR:

A Bruker Avance 400 was employed for ¹H NMR spectra (400.13 MHz). Resonances, δ , are in ppm units downfield from an internal reference in C₂D₆SO ($\delta_{\text{H}} = 2.50$).



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