

4-METHYLUMBELLIFERYL- β -LAMINARIBIOSIDE (Lot 1505TKI-110)

O-4MULAM2

05/15

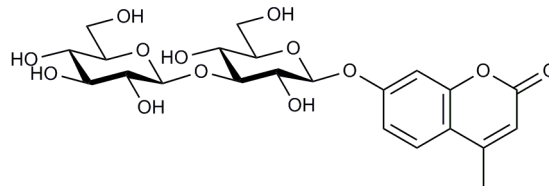
Synonym: MU- β -laminaribioside, 4MU- β -laminaribioside

CAS: 172364-08-8

Molecular

Formula: $C_{22}H_{28}NO_{13}$

MW: 500.4



PURITY: > 96%

HPLC:

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

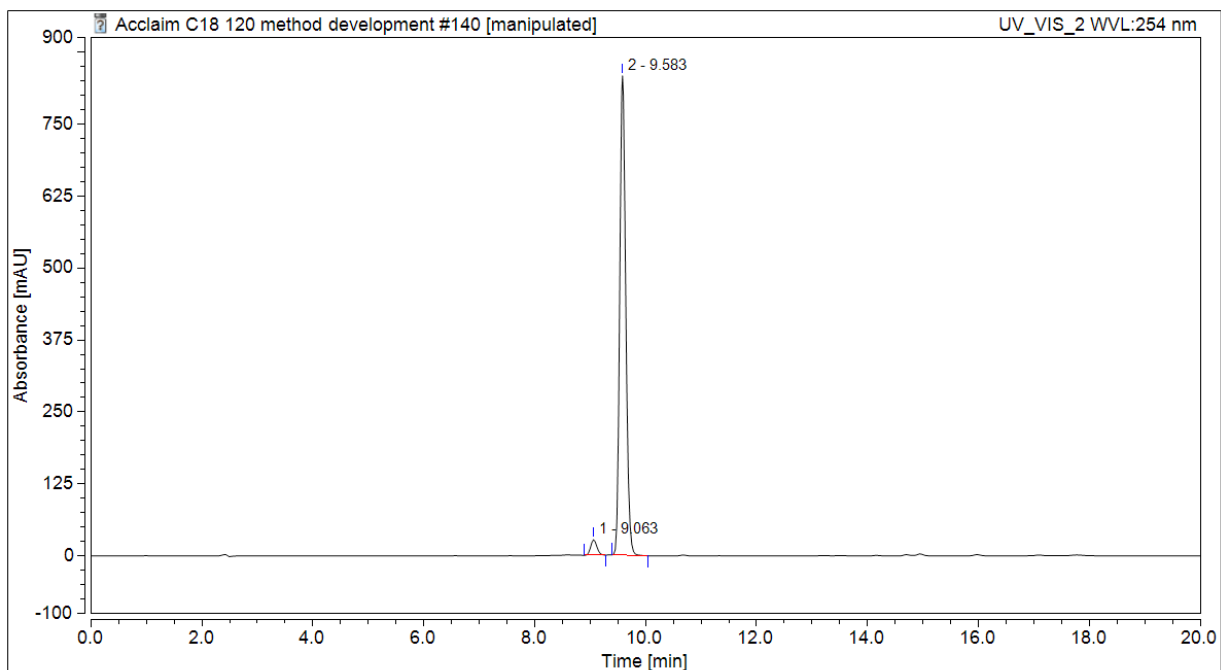
Temperature :- 55°C

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

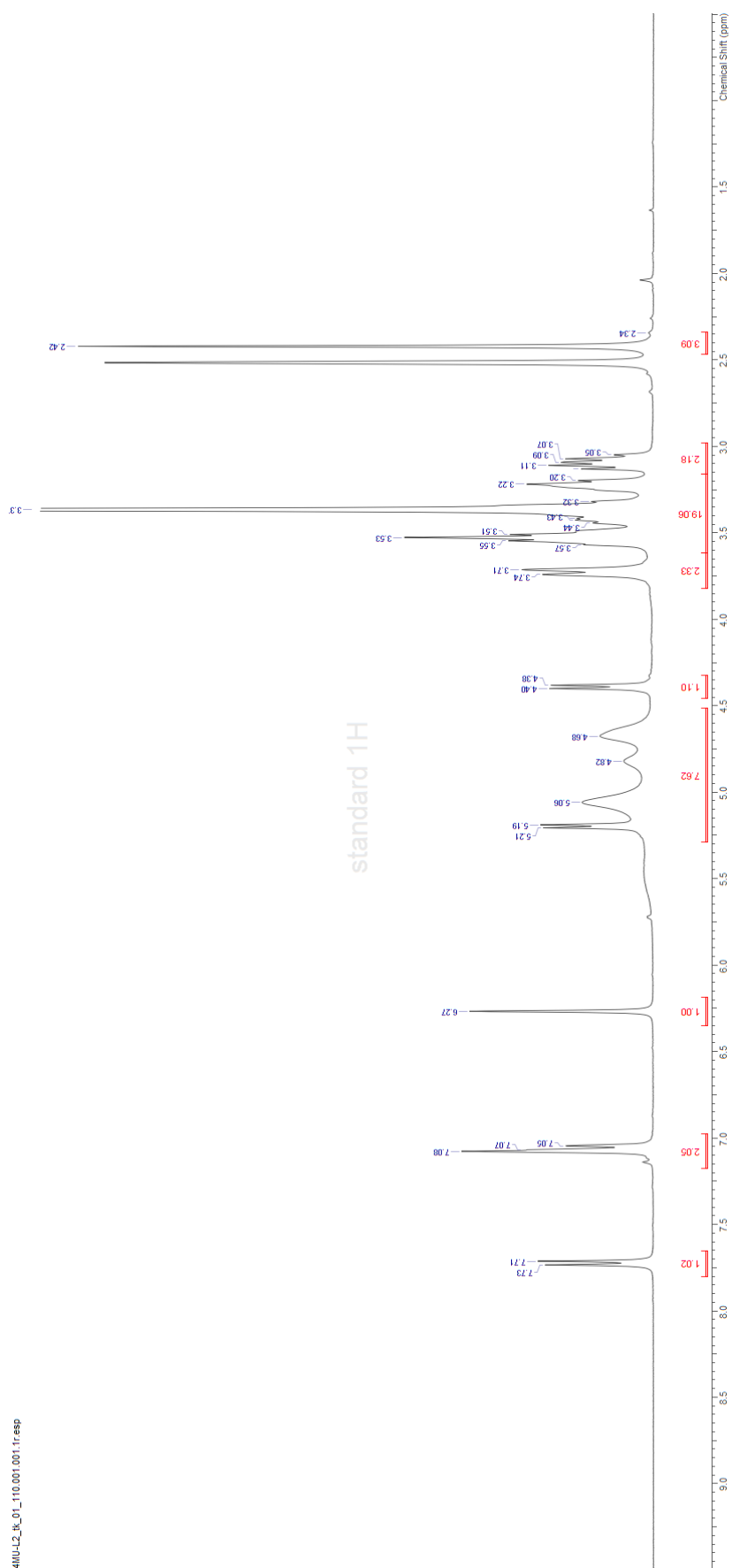
Time (min)	H ₂ O (%)	CH ₃ CN (%)
0	90	10
1	90	10
13	80	20
15	90	10
20	90	10



No.	Retention Time min	Area mAU*min	Relative Area %
1	9.063	3.488	3.22
2	9.583	104.868	96.78

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 ($\delta_{\text{H}} = 2.50$).



4MU-L2_RL_01_110.001.001.tr.esp