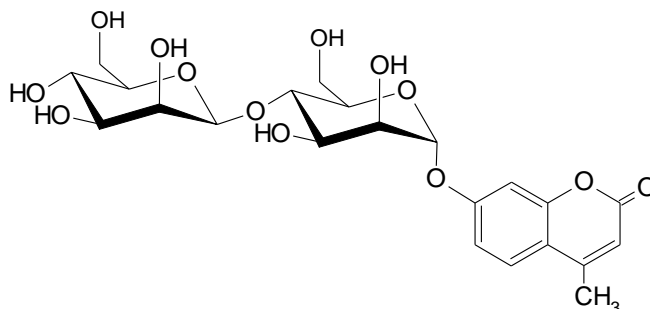


4-Methylumbelliferyl- α -mannobioside (Lot I404AL2-68)

O-4MUAM2

04/14

MWt: 500.45
Molecular Formula $C_{22}H_{28}O_{13}$
CAS No. -



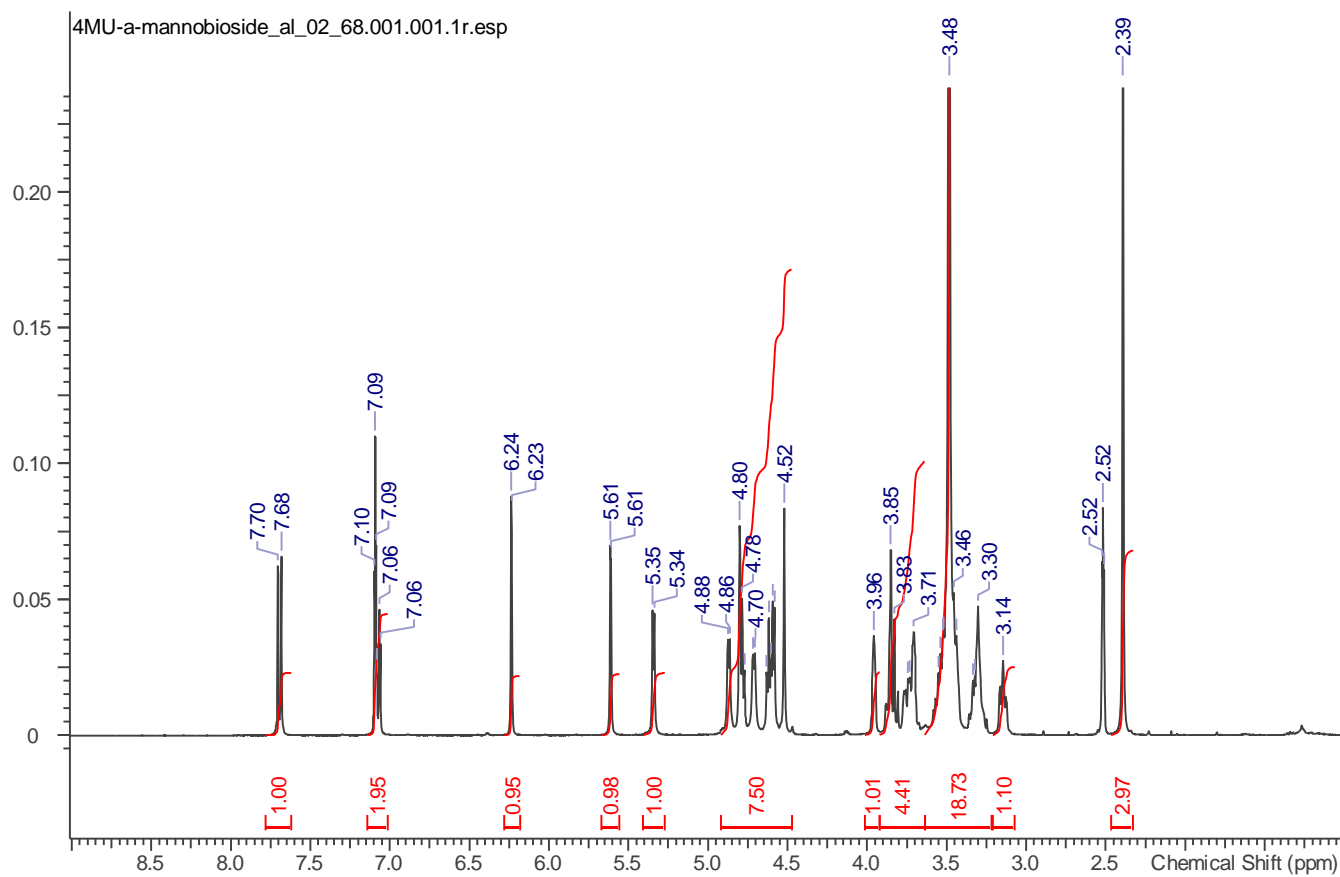
SYNONYMS: 4-Methylumbelliferyl- α -mannobioside, MU- α -mannobioside
PURITY: > 95% (TLC)
FORM: 20 mg white solid
STABILITY: 5 years (when stored dry at -20°C)

Description

4-Methylumbelliferyl- α -mannobioside can be used as a fluorimetric substrate for research into mannanase (*endo*-1,4- β -mannanase) or mannan degrading enzymes.

NMR:

A Bruker Avance 400 was employed for ^1H (400.13 MHz) NMR spectra. Resonances δ , are in ppm units downfield from an internal reference in DMSO- d_6 ($\delta_{\text{H}} = 2.50$).

**TLC:**

TLC was performed with 0.2 mm Merck pre-coated silica gel 60 F254 aluminium sheets. Compounds were detected by dipping the TLC plates in an ethanolic solution of sulphuric acid (5% v/v) and heating.

