

## 4-NITROPHENYL- $\alpha$ -D-MANNOPYRANOSIDE (Lot 150501)

**O-PNPAM**

**05/15**

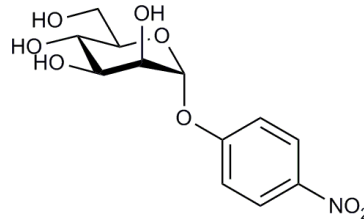
**Synonym:** *p*-Nitrophenyl- $\alpha$ -D-mannopyranoside, *p*NP- $\alpha$ -D-mannopyranoside

**CAS:** 10357-27-4

**Molecular**

**Formula:**  $C_{12}H_{15}NO_8$

**MW:** 301.3



**PURITY:** > 98%

**HPLC:**

Column :- Acclaim 120 C18, 3  $\mu$ m (3 x 150 mm)

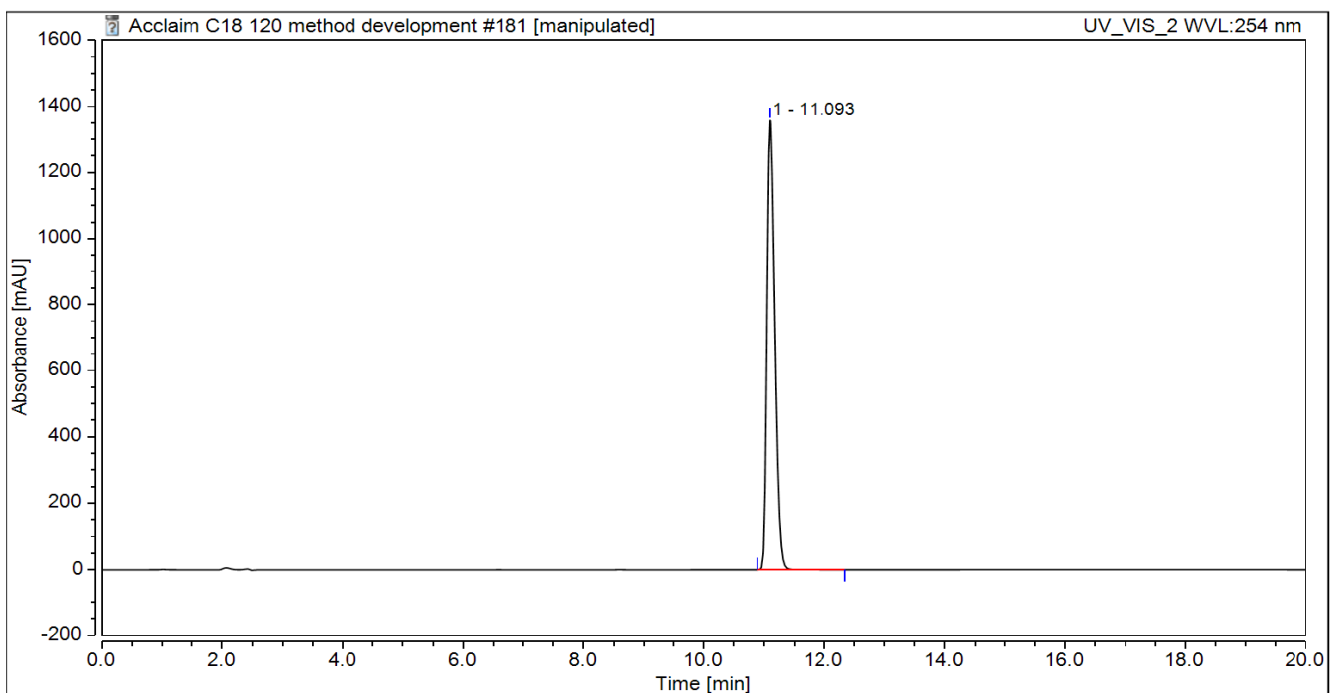
Temperature :- 55°C

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 <sub>2</sub> O (%) | CH <sub>3</sub> CN (%) |
|------------|----------------------|------------------------|
| 0          | 90                   | 10                     |
| 1          | 90                   | 10                     |
| 13         | 80                   | 20                     |
| 15         | 90                   | 10                     |
| 20         | 90                   | 10                     |



### **<sup>1</sup>H-NMR:**

A Brüker Avance 400 was employed for <sup>1</sup>H NMR spectra (400.13 MHz). Resonances,  $\delta$ , are in ppm units downfield from an internal reference in C<sub>2</sub>D<sub>6</sub>SO ( $\delta_{\text{H}} = 2.50$ ).

