

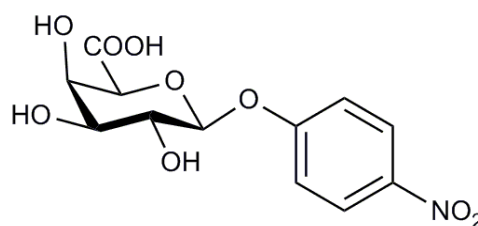


## 4-NITROPHENYL- $\beta$ -D-GALACTURONIDE (Lot 181101)

**O-PNPBGALA**

11/18

**CAS:** 39031-76-0  
**Molecular Formula:**  $C_{12}H_{13}NO_9$   
**MW:** 315.2



**PURITY:** > 95% (HPLC)

**HPLC:**

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

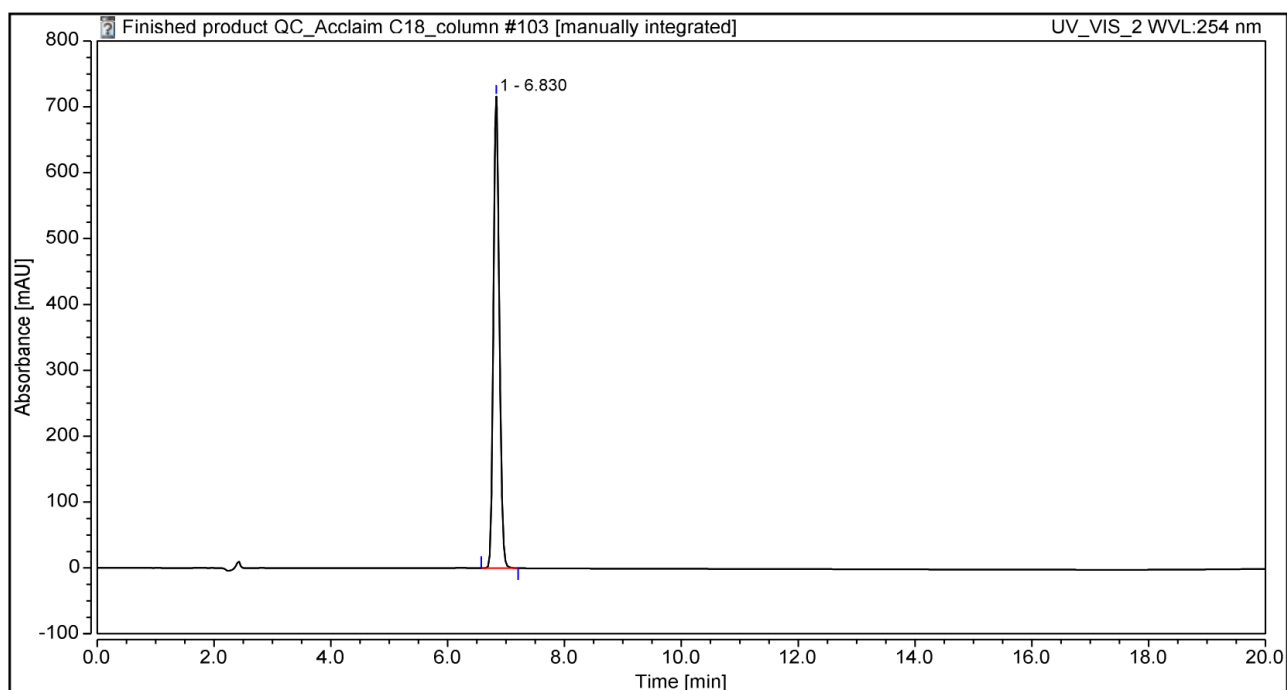
Temperature: 55°C

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

Detector: UV (254 nm)

HPLC System: Thermofisher U3000 Ultimate and Chromeleon v 7.0 software

Time (min)	H <sub>2</sub> O + 0.1% TFA (%)	CH <sub>3</sub> CN (%)
0	90	10
1	90	10
13	80	20
15	90	10
20	90	10



**NMR:**

A Bruker Avance 400 was employed for <sup>1</sup>H NMR spectroscopy (400.13 MHz). Resonances, δ, are in ppm units downfield from an internal reference in C<sub>2</sub>D<sub>6</sub>SO (δ<sub>H</sub> = 2.50).

PNP-b-galacturonide\_al\_06\_41.001.001.1r.esp

