

## 4-NITROPHENYL- $\beta$ -D-GALACTOPYRANOSIDE (Lot 150501)

**O-PNPBGAL**

**05/15**

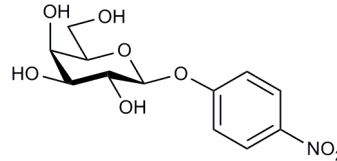
**Synonym:** *p*-Nitrophenyl- $\beta$ -D-galactopyranoside, *p*NP- $\beta$ -D-galactopyranoside

**CAS:** 3150-24-1

**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)

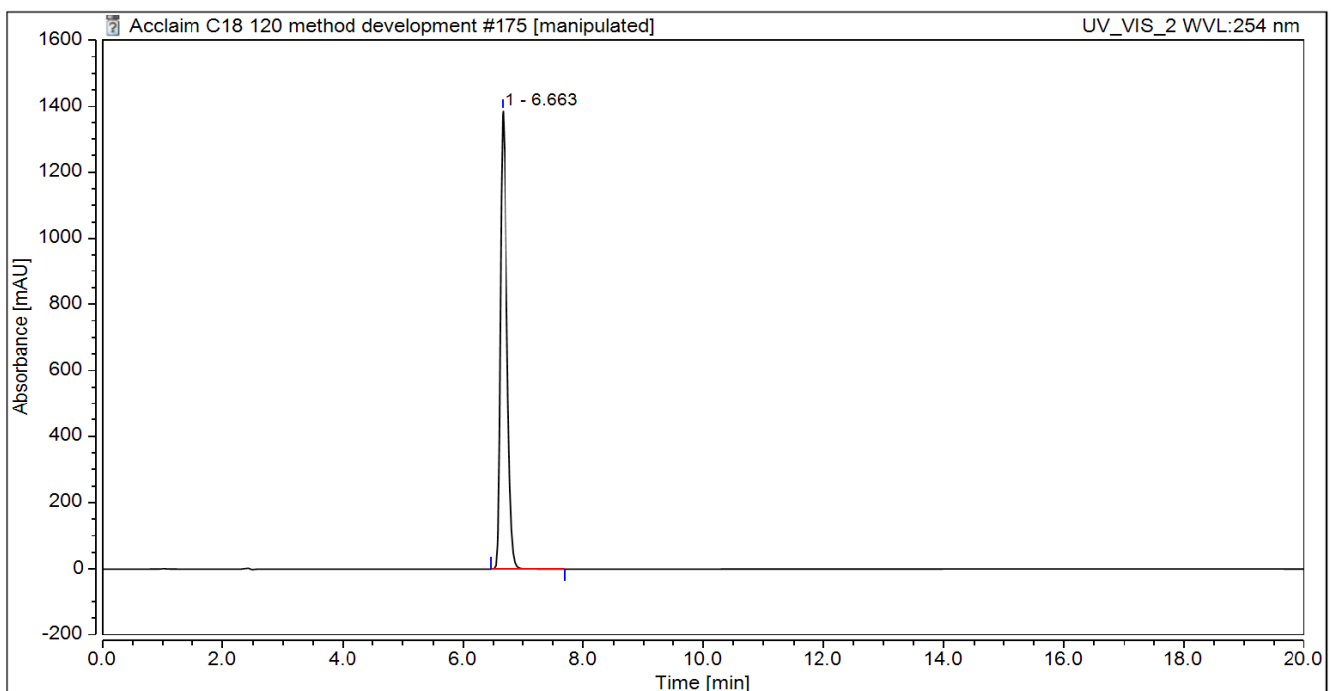
Temperature :- 55°C

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

