

4-NITROPHENYL- α -D-GALACTOPYRANOSIDE (Lot I5050I)

O-PNPAGAL

05/15

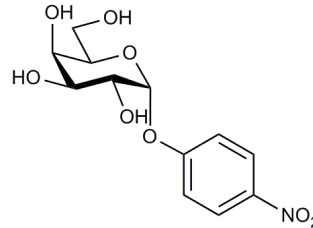
Synonym: *p*-Nitrophenyl- α -D-galactopyranoside, *p*NP- α -D-galactopyranoside

CAS: 7493-95-0

Molecular

Formula: C₁₂H₁₅NO₈

MW: 301.3



PURITY: > 98%

HPLC:

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

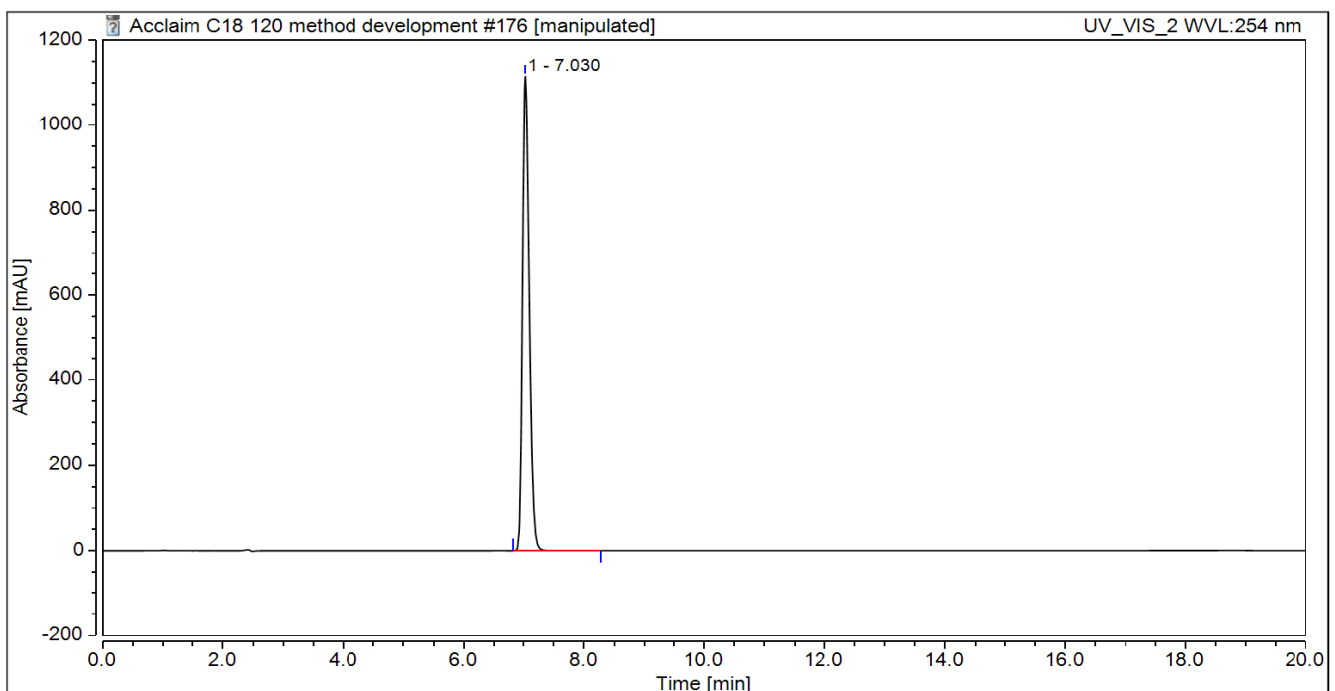
Temperature :- 55°C

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

Detector :- UV (256 nm)

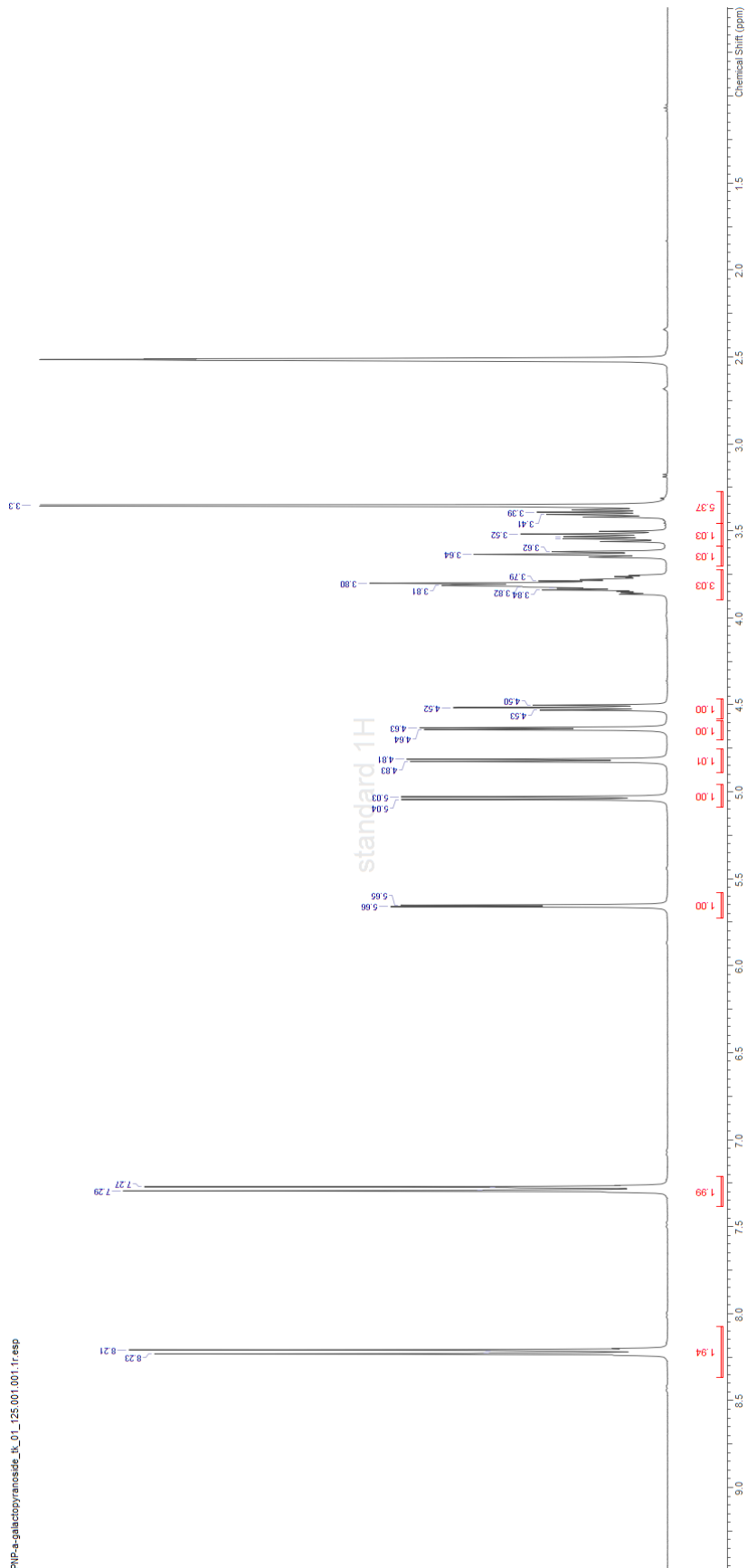
HPLC System :- Thermofisher U3000 Ultimate and Chromeleon v 7.0 software

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



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



PNP-galactopyranoside_k_01_125_001_001_1r.esp