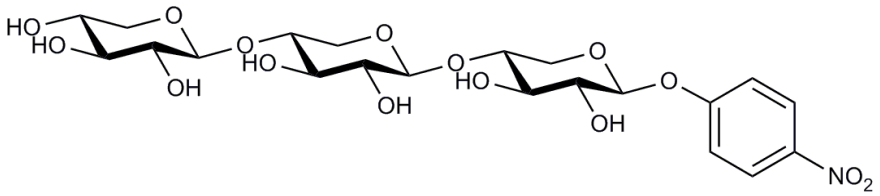
4-Nitrophenyl-β-xylotrioside (Lot 181103)

O-PNPX3 **11/18**

MW:	**535.45**
Molecular Formula	**$C_{21}H_{29}NO_{15}$**
CAS:	**173468-29-6**



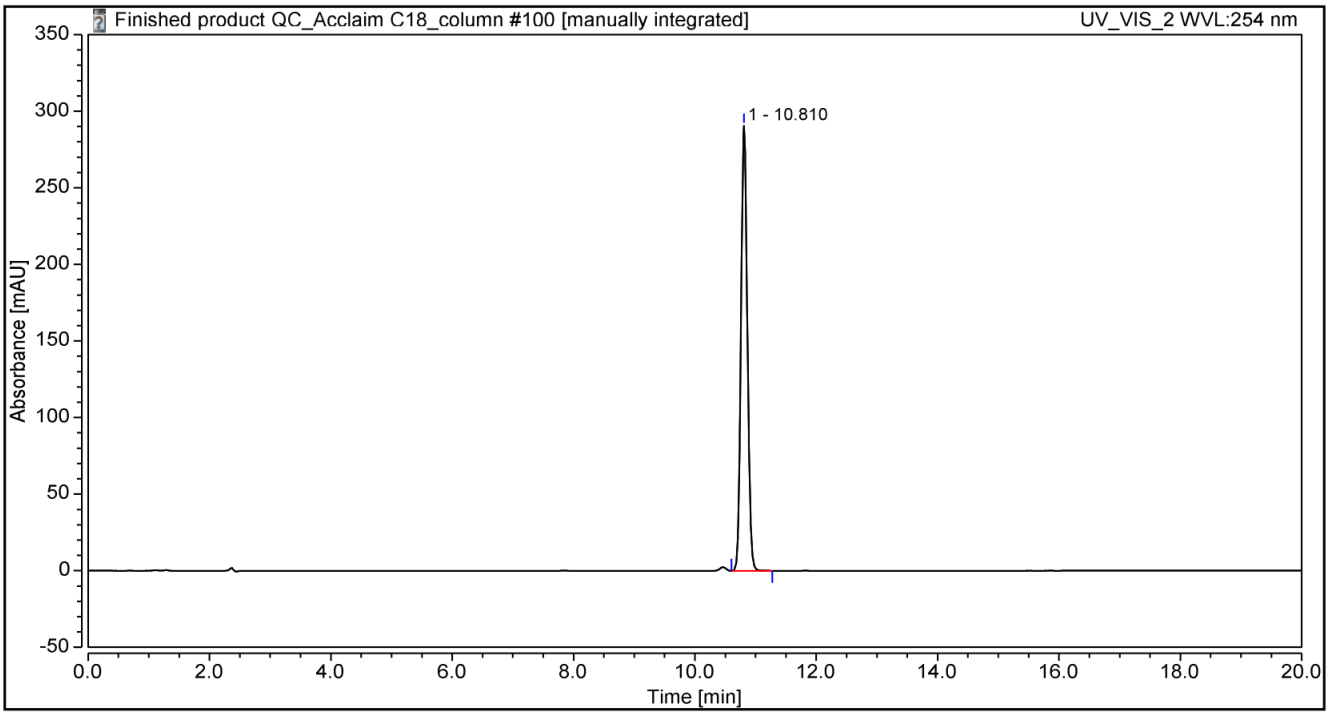
SYNONYMS:	*p*-Nitrophenyl-β-xylotrioside, *p*NP-β-xylotrioside
PURITY:	> 98% (HPLC)
FORM:	20 mg white solid
STABILITY:	5 years (when stored dry at -20°C)

Description

4-Nitrophenyl-β-xylotrioside can be used as a substrate for research into xylanase (*endo*-1,4-β-xylanase) or xylose degrading enzymes.

HPLC:
Column: Acclaim 120 C18, 3 µm (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_2O (%)	CH_3CN (%)
0	90	10
1	90	10
13	80	20
15	90	10
20	90	10



NMR:

A Brüker Avance 400 was employed for ^{1}H (400.13 MHz) and ^{13}C (100.61 MHz) NMR spectra. Resonances δ, are in ppm units downfield from an internal reference in DMSO-*d*6 (δ_H = 2.50).