

Ludger

Certificate of Analysis

LudgerPure™ Procainamide Labelled NA3 Glycan

Cat. #: CPROC-NA3-01

Batch: B62A-08

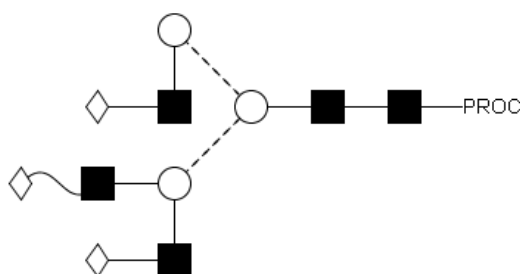
Size: approx. 20 pmol

Expiry Date: 11 May 2021

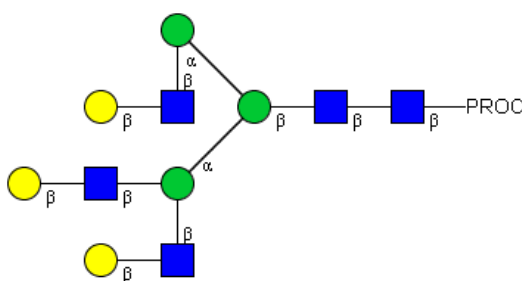
Alternative Names

A3G3

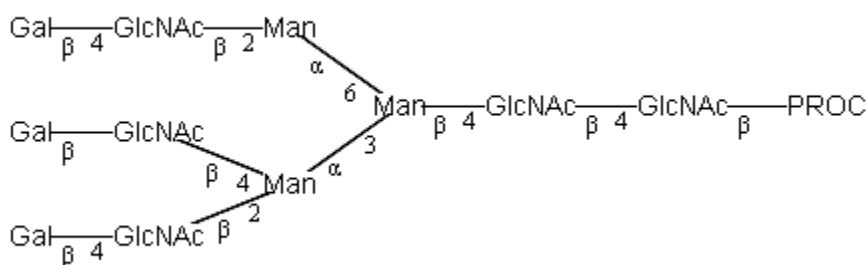
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 89.3% Procainamide labelled NA3 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 23.8 pmols NA3 glycan – Test performed 11 May 2016.

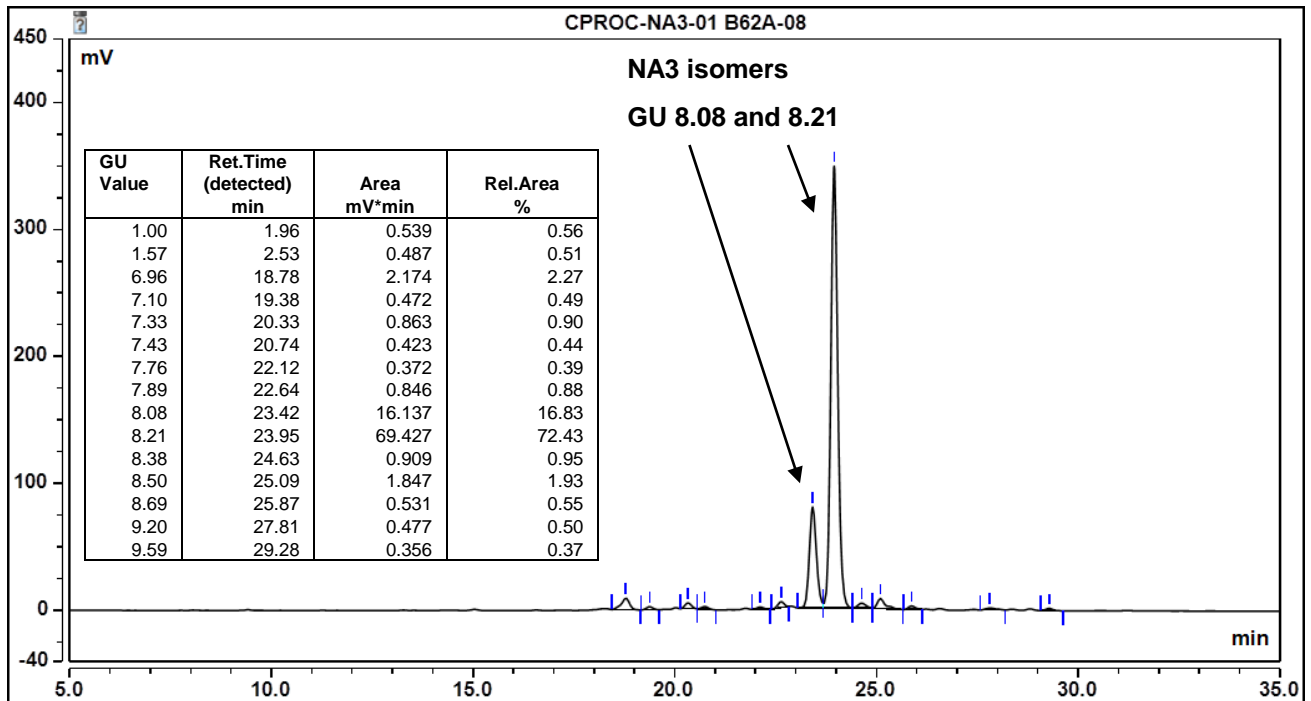


Figure 1: HILIC HPLC profile of Procainamide labelled NA3 glycan (see method conditions below) (Cat. #: CPROC-NA3-01, Batch B62A-08).

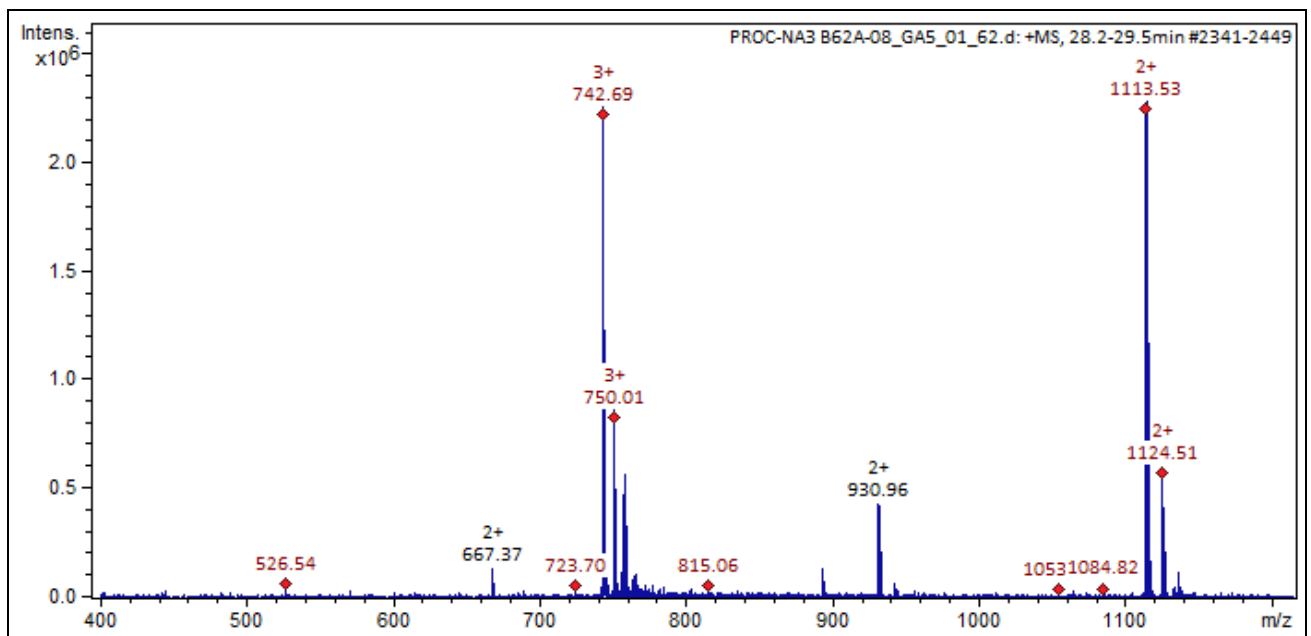


Figure 2: Positive ion mass spec analysis of labelled Glycan Sample. Main peak at m/z 1113.5 conforms to expected $[M+H]^{2+}$ mass (peak at 742.7 conforms to $[M+H]^{3+}$ mass). No significant unlabelled glycan peak present. (Cat. #: CPROC-NA3-01, Batch B62A-08).

Procainamide peak seen above, eluted at 23.4 and 24.0 minutes, under the following conditions:

Column: Waters BEH Glycan 1.7µm column (150mm)

Temperature: 60 °C

Solvent A: 50mM ammonium formate pH 4.4 **Solvent B:** 100 % acetonitrile

Gradient:

Time (min)	%B	Flow (ml/min)
0.0	76.0	0.40
55.30	40.0	0.25
57.50	40.0	0.25
59.5	76.0	0.25
65.50	76.0	0.25
66.50	76.0	0.40
70.00	76.0	0.40

Detector: Dionex Ultimate FLD-3000

Excitation wavelength: 310 nm

Emission wavelength: 370 nm

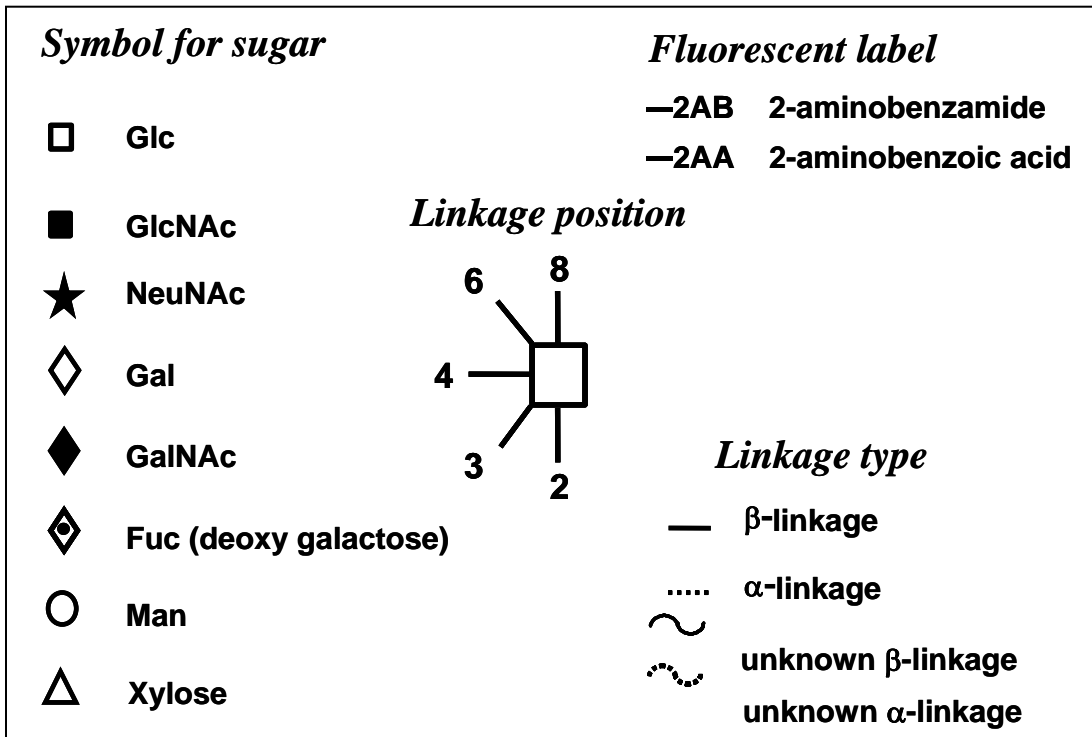


Figure 2: GlycoBase glycan structure key.