

Certificate of Analysis

LudgerPure™ Procainamide Labelled A3 Glycan

Cat. #: CPROC-A3-01

Size: approx. 20 pmol

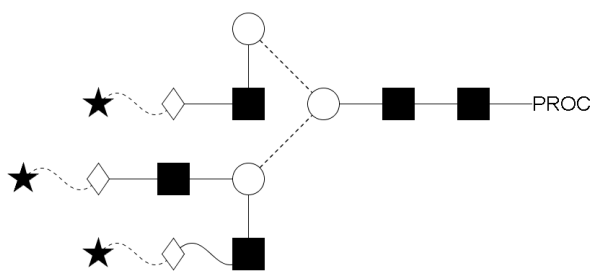
Batch: B7CE-01

Expiry Date: 15 Dec 2022

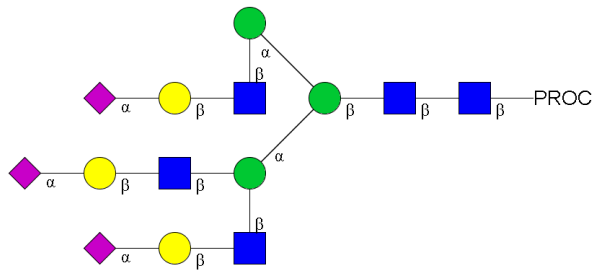
Alternative Names

A3G3S3

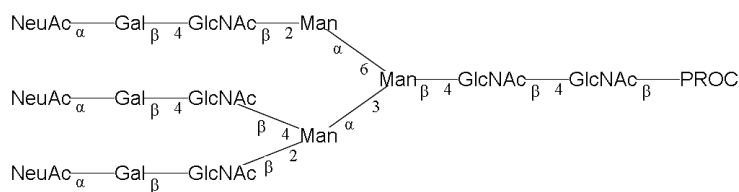
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 86.6% Procainamide labelled A3 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 19.7 pmols A3 glycan – Test performed 15 Dec 2017.

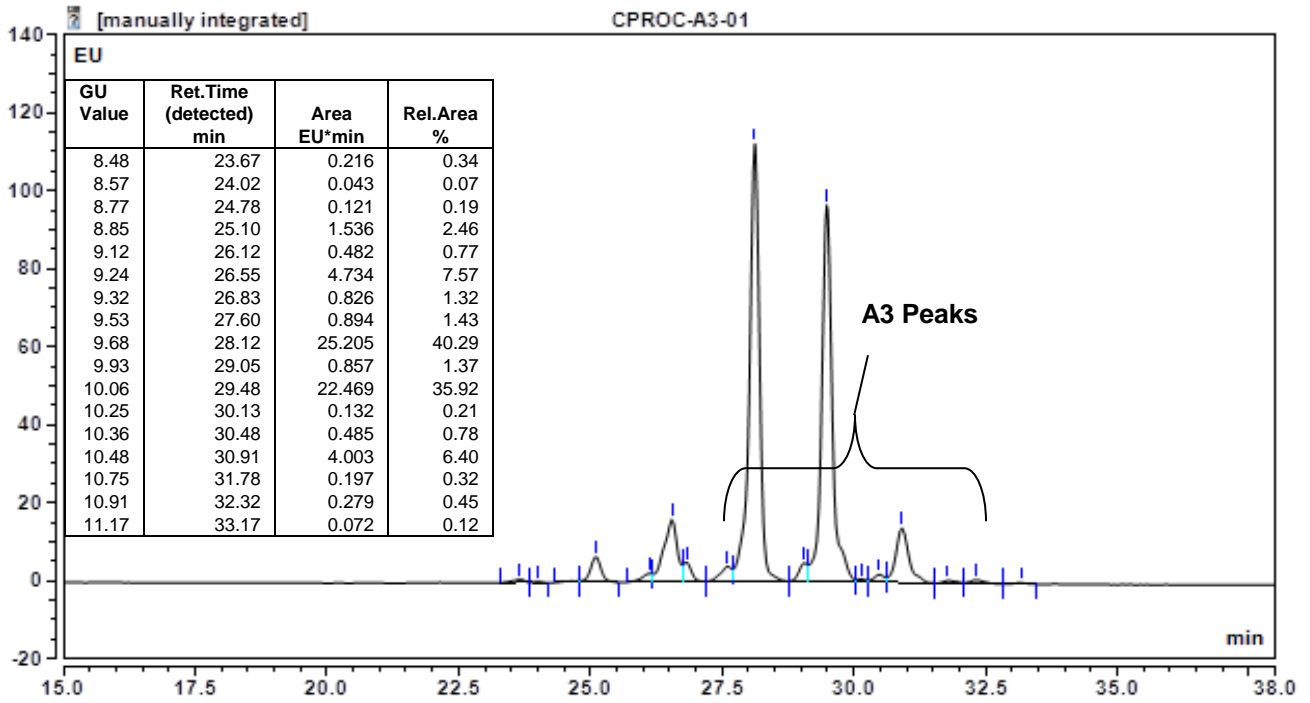


Figure 1: HILIC HPLC profile of Procainamide labelled A3 glycan (see method conditions below) (Cat. #: CPROC-A3-01, Batch B7CE-01).

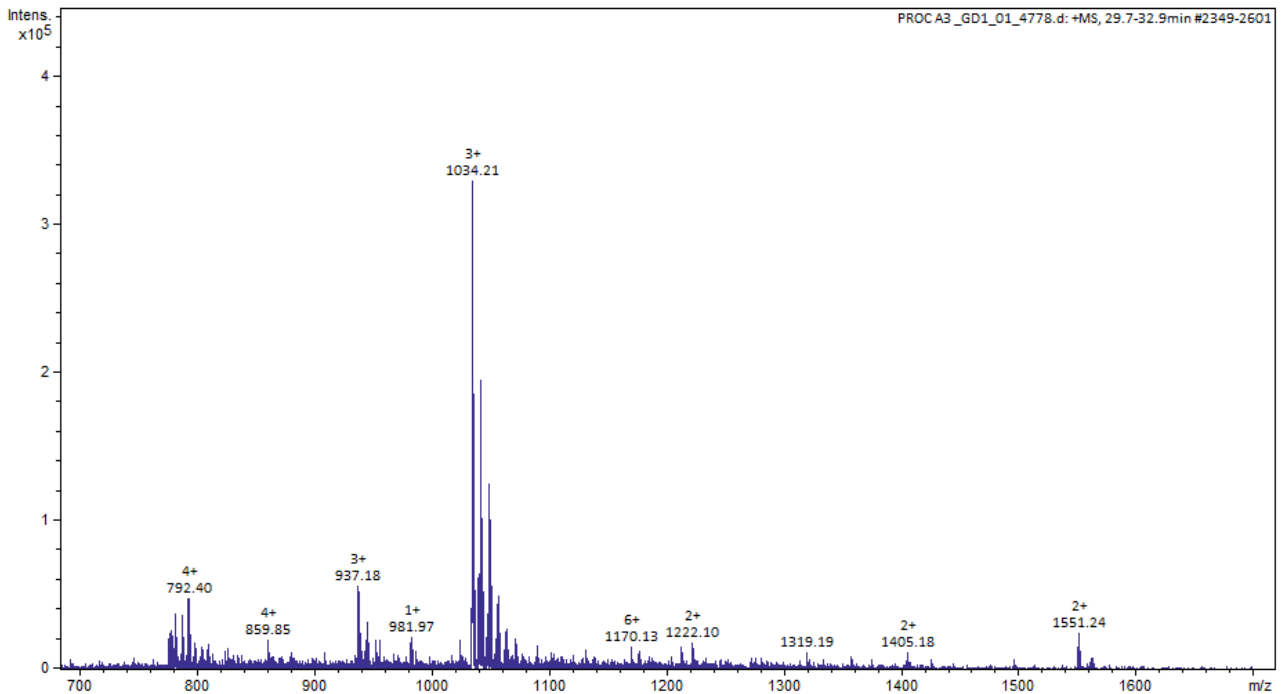


Figure 2: Positive ion mass spec analysis of labelled Glycan Sample. Main peak at m/z 1034.2 conforms to expected $[M+H]^{3+}$ mass. No significant unlabelled glycan peak present. (Cat. #: CPROC-A3-01, Batch B7CE-01).

Procainamide labelled A3 peaks seen above, eluted between 27 and 33 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

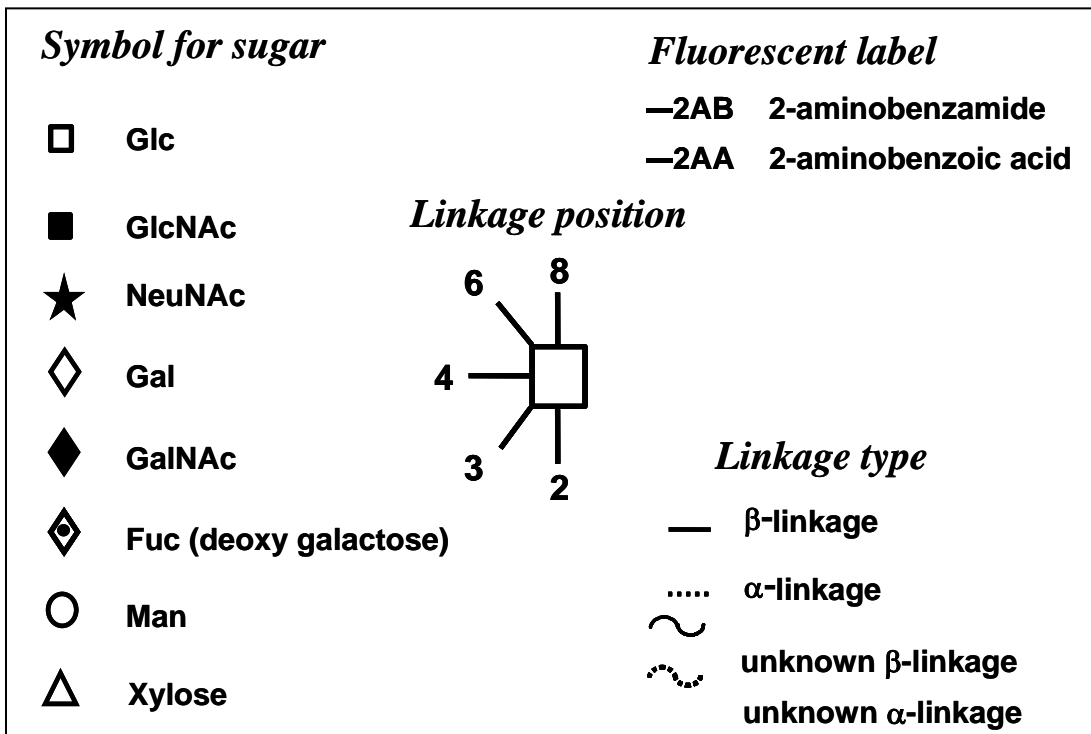


Figure 2: GlycoBase glycan structure key.