

Certificate of Analysis

LudgerPure™ Procainamide Labelled A1F Glycan

Cat. #: CPROC-A1F-01

Batch: B628-01

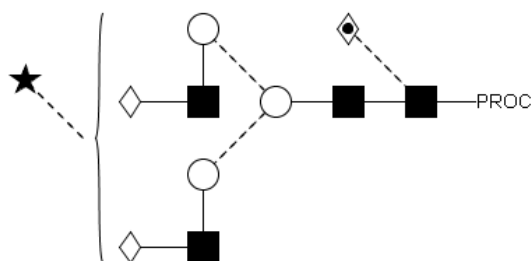
Size: approx. 20 pmol

Expiry Date: 11 May 2021

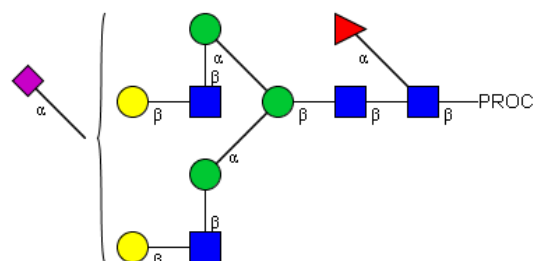
Alternative Names

FA2G2S1, G2FS1

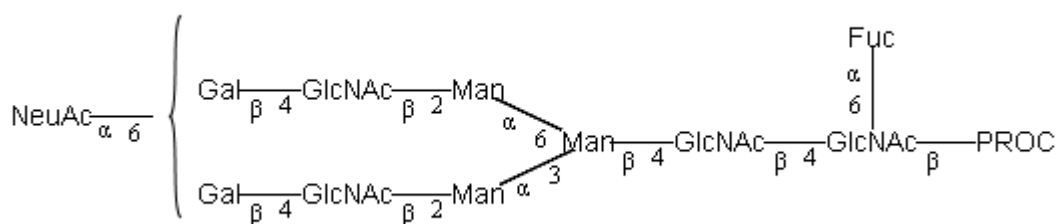
Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 91.9% Procainamide labelled A1F glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 42.2 pmols A1F glycan – Test performed 11 May 2016.

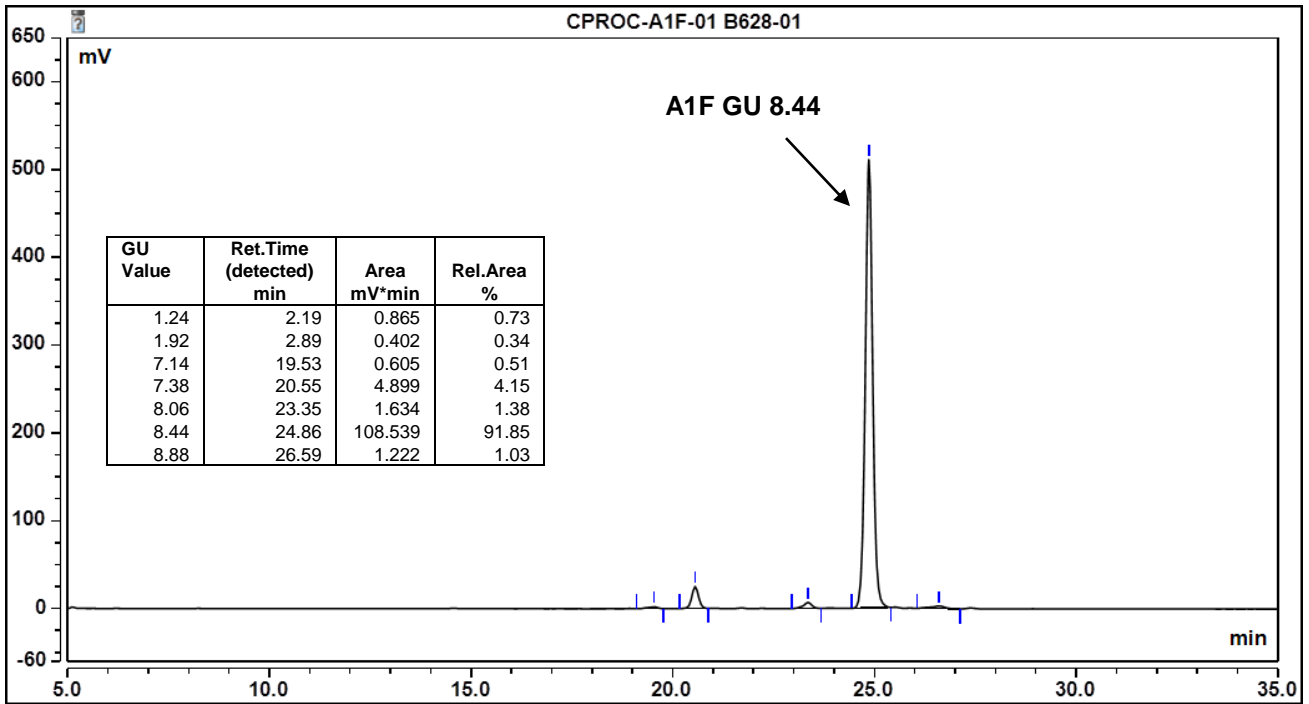


Figure 1: HILIC HPLC profile of Procainamide labelled A1F glycan (see method conditions below) (Cat. #: CPROC-A1F-01, Batch B628-01).

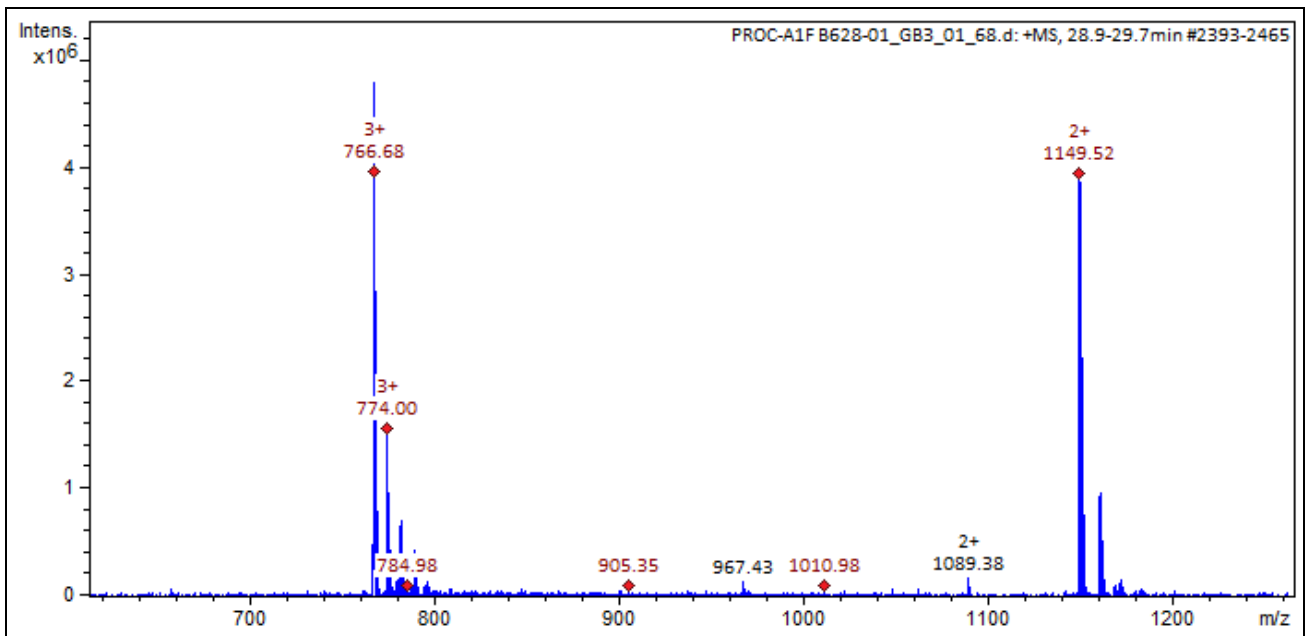


Figure 2: Positive ion mass spec analysis of labelled Glycan Sample. Main peak at m/z 1149.5 conforms to expected $[M+H]^{2+}$ mass (peak at 766.7 conforms to $[M+H]^{3+}$). No significant unlabelled glycan peak present. (Cat. #: CPROC-A1F-01, Batch B628-01).

Procainamide peak seen above, eluted at 24.9 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

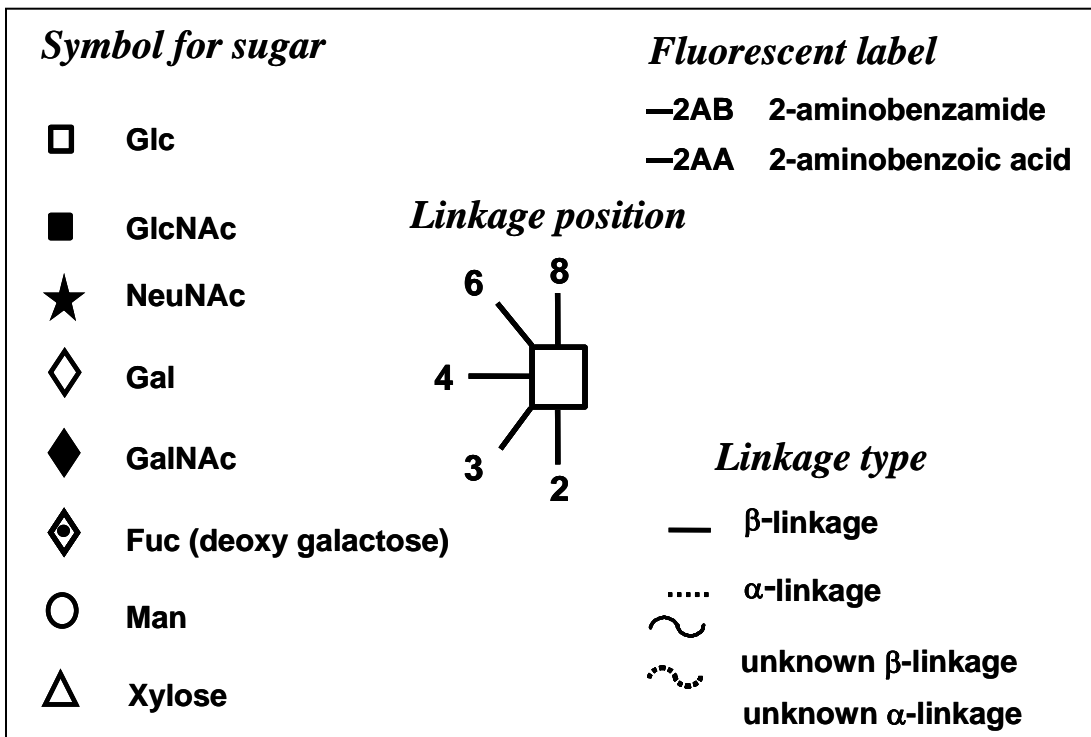


Figure 2: GlycoBase glycan structure key.