

## Certificate of Analysis

### LudgerPure™ Procainamide Labeled A1F Glycan

Cat. #: CPROC-A1F-01

Batch: B628-01

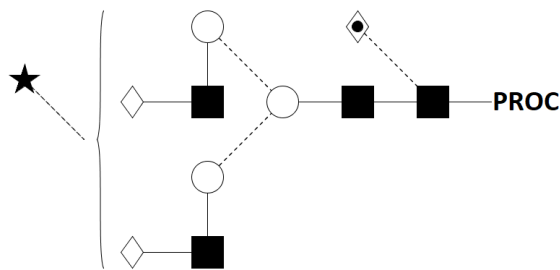
Size: approx. 20 pmol

Expiry Date: 19 Nov 2025

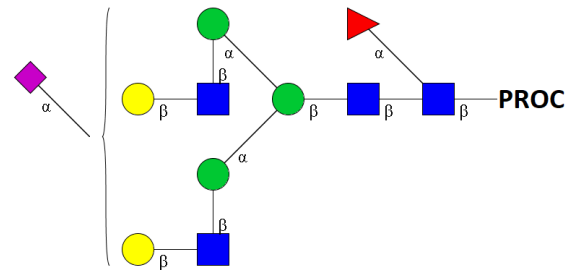
#### Alternative Names

FA2G2S1, G2FS1

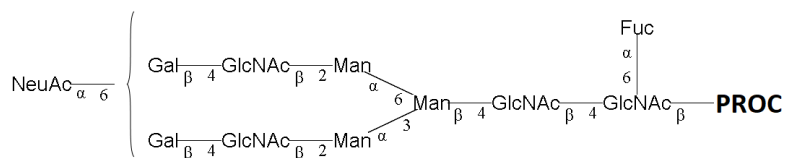
#### Glycan Structure



Oxford Notation



CFG Notation



Text Notation

A1F glycan structure identified by MALDI, MS & HPLC (GU value comparison to GlycoBase). This structure is drawn according to the scheme developed by Oxford-Dublin Glycobiology Laboratory (see Fig 3).

**Purity:** 91% PROC labeled A1F glycan, as assessed by HPLC - see Fig 1.

**Amount:** Sample vial determined to contain 33pmols A1F glycan – Test performed 19 Nov 2020.

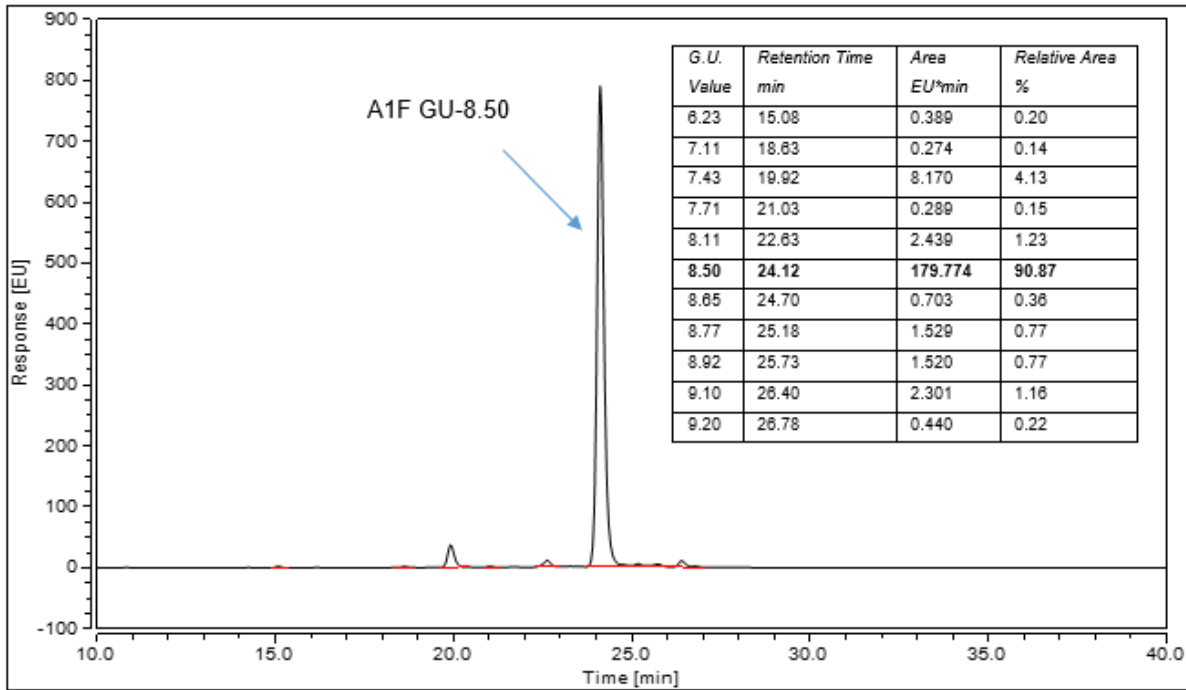


Figure 1: HILIC HPLC profile of PROC labelled A1F glycan (see method conditions below) (Cat. #: CPROC-A1F-01, Batch B628-01).

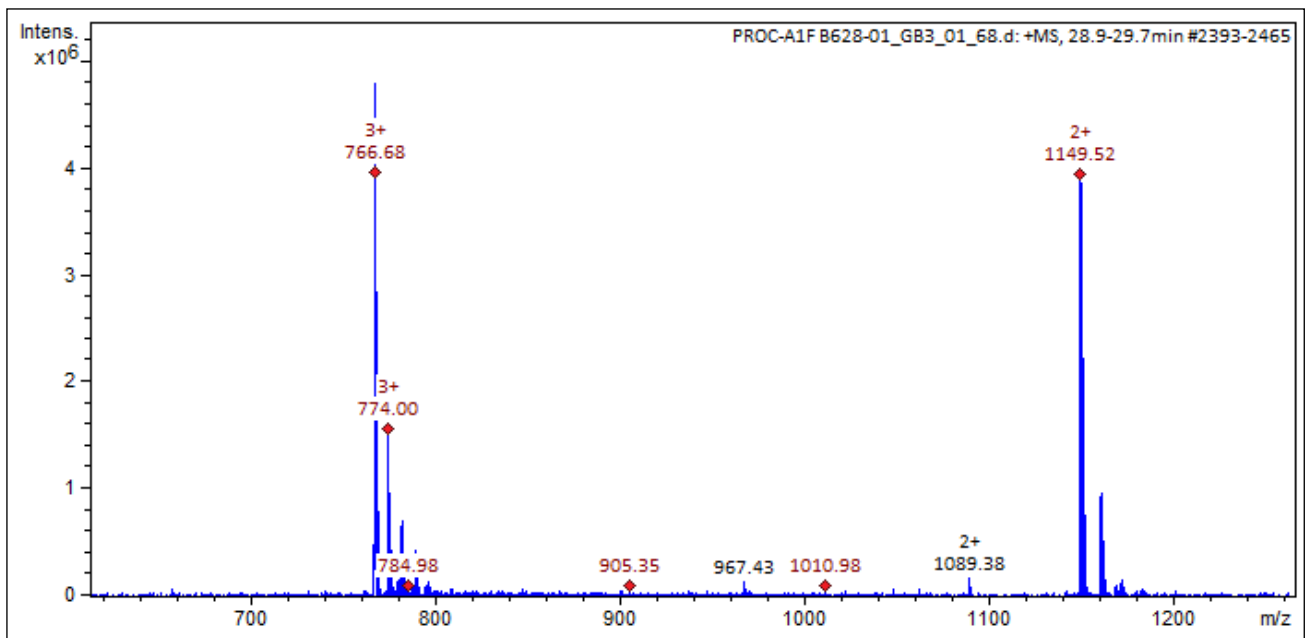


Figure 2: Positive ion mass spec analysis of labelled Glycan Sample. Main peak at m/z 1149.5 conforms to expected  $[M+2H]^{2+}$  mass (peak at 766.7 conforms to  $[M+3H]^{3+}$ ). No significant unlabelled glycan peak present. (Cat. #: CPROC-A1F-01, Batch B628-01).

**PROC A1F peak seen above, eluted at 24.12 minutes, under the following conditions:**

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

**Flow:** 0.56mL/min.

**Temperature:** 40 °C

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

**Gradient:**

Time (min)	%B	Flow (ml/min)
0.0	72	0.40
51.3	53	0.40
54.3	0	0.2
56.3	0	0.2
57.3	72	0.2
59.3	72	0.4
60.0	72	0.4

**Detector:** Fluorescence

**Excitation wavelength:** 310 nm

**Emission wavelength:** 370 nm

<i>Symbol for sugar</i>		<i>Fluorescent label</i>
□	Glc	—2AB 2-aminobenzamide
■	GlcNAc	—2AA 2-aminobenzoic acid
★	NeuNAc	
◇	Gal	
◆	GalNAc	
◊	Fuc (deoxy galactose)	
○	Man	
△	Xylose	

<i>Linkage position</i>		<i>Linkage type</i>	

Figure 3: GlycoBase glycan structure key.