

Certificate of Analysis

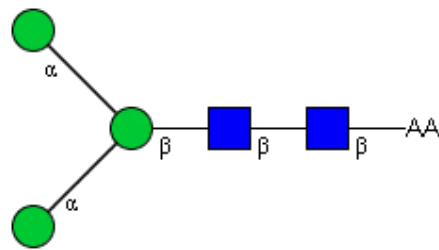
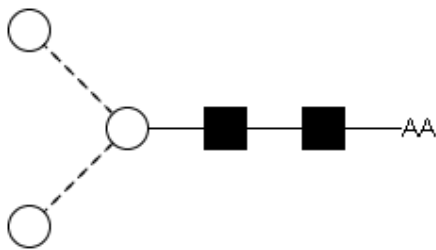
LudgerPure™ 2AA Labeled M3N2 Glycan

Cat. #: CAA-M3N2-01

Batch: A53H-01

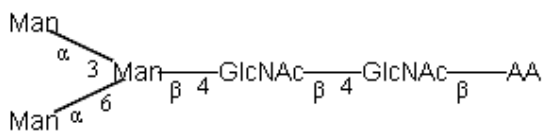
Size: approx. 100 pmol

Structure



Oxford Notation

CFG Notation



Text Notation

Purity: > 95% 2AA labeled M3N2 glycan, as assessed by HPLC - see Fig 1.

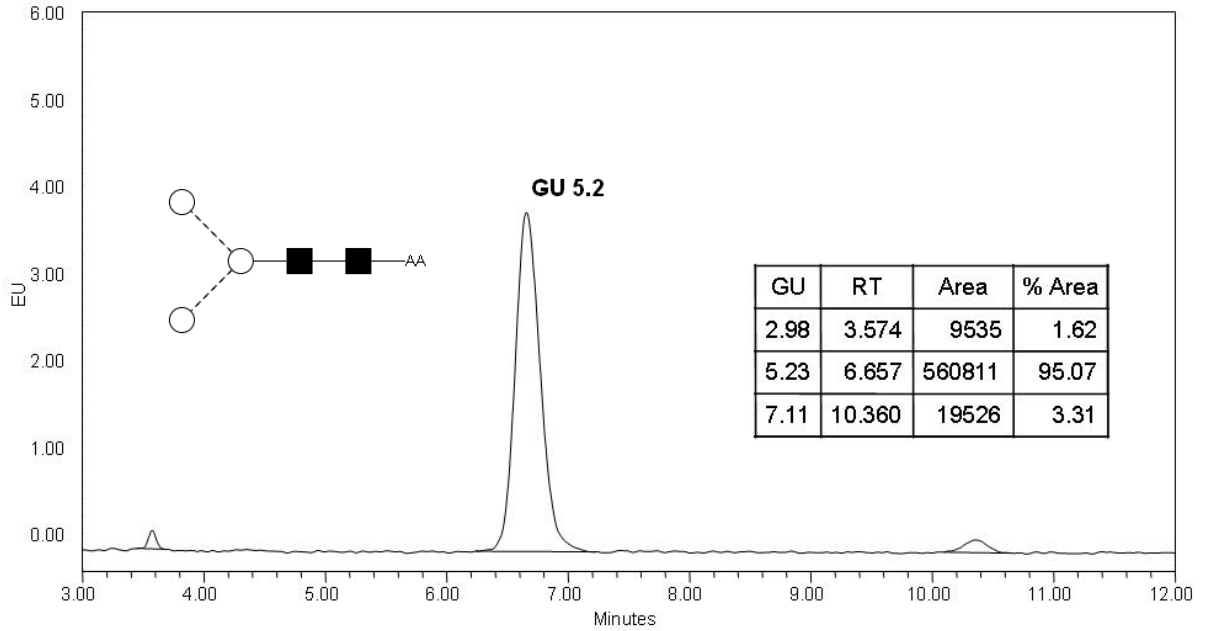


Figure 1 : LudgerSepN2 HPLC profile of 2AA labeled M3N2 glycan (Cat. #: CAA-M3N2-01, Batch A53H-01).

**M3N2 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 2).*

2-AA M3N2 peak seen above, eluted at 6.7 minutes, under the following conditions:

HPLC Running Conditions:

Column: LudgerSep N2 Amide (Cat. #: LS-N2-4.6x150)

Flow: 1.0 ml/min.

Temperature: 35 °C

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

Gradient:

- 0 min – 65 % B
- 22.5 min – 54 % B
- 24.5 min – 0 % B
- 26 min – 65% B
- 30 min – 65 % B
- 45 min – 65 % B

Detector: Waters 2475 Excitation wavelength: 330 nm

Emission wavelength: 420 nm

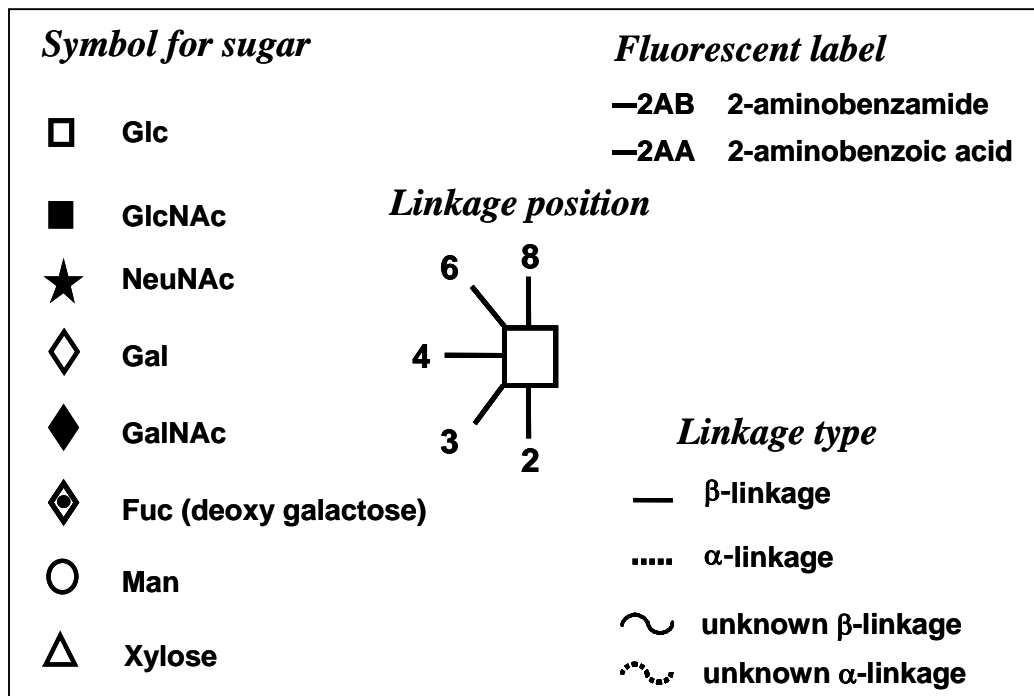


Figure 2 : GlycoBase glycan structure key.