



## NA3 Glycan

NA3 N-linked oligosaccharide

## Catalog Number

SA-NA3

## Description

Asialo-, tri-antennary complex-type N-glycan (oligosaccharide). NA3 is a the asialo- substructure of A3 glycan. The product provided may be a mixture of isomers differing in the linkage of the Gal residue of one of the glycan's antennae (please see the product certificate of analysis for lot specific details on the isomers provided). The different Gal linkages in NA3 are described in detail in the notes below.

## Sources

NA3 glyans are found on several mammalian glycoproteins including bovine serum fetuin (bSF). This product is typically purified from the oligosaccharide pool released from bSF by hydrazinolysis using a combination of HPLC and glycosidase digestion.

## Form

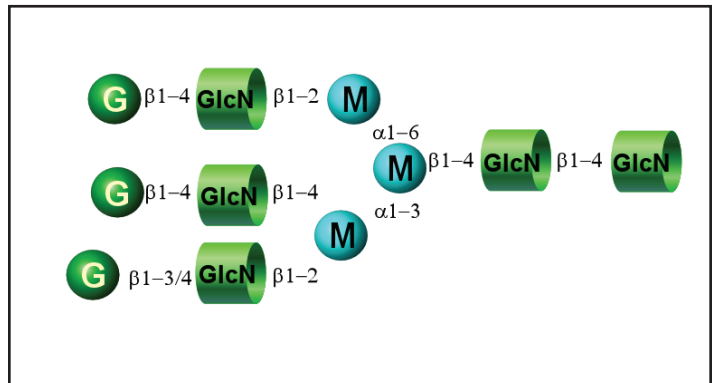
Dry. Dried by centrifugal evaporation from an aqueous solution.

## Molecular Weight

2007

## Purity

> 90% pure as assessed by a combination of 1H-NMR and HPLC.



## Shipping

The product can be shipped at ambient when dry. After dissolution, ship on dry ice.

## Storage

Keep at -20°C both before and after dissolution. This product is stable for at least 5 years as supplied.

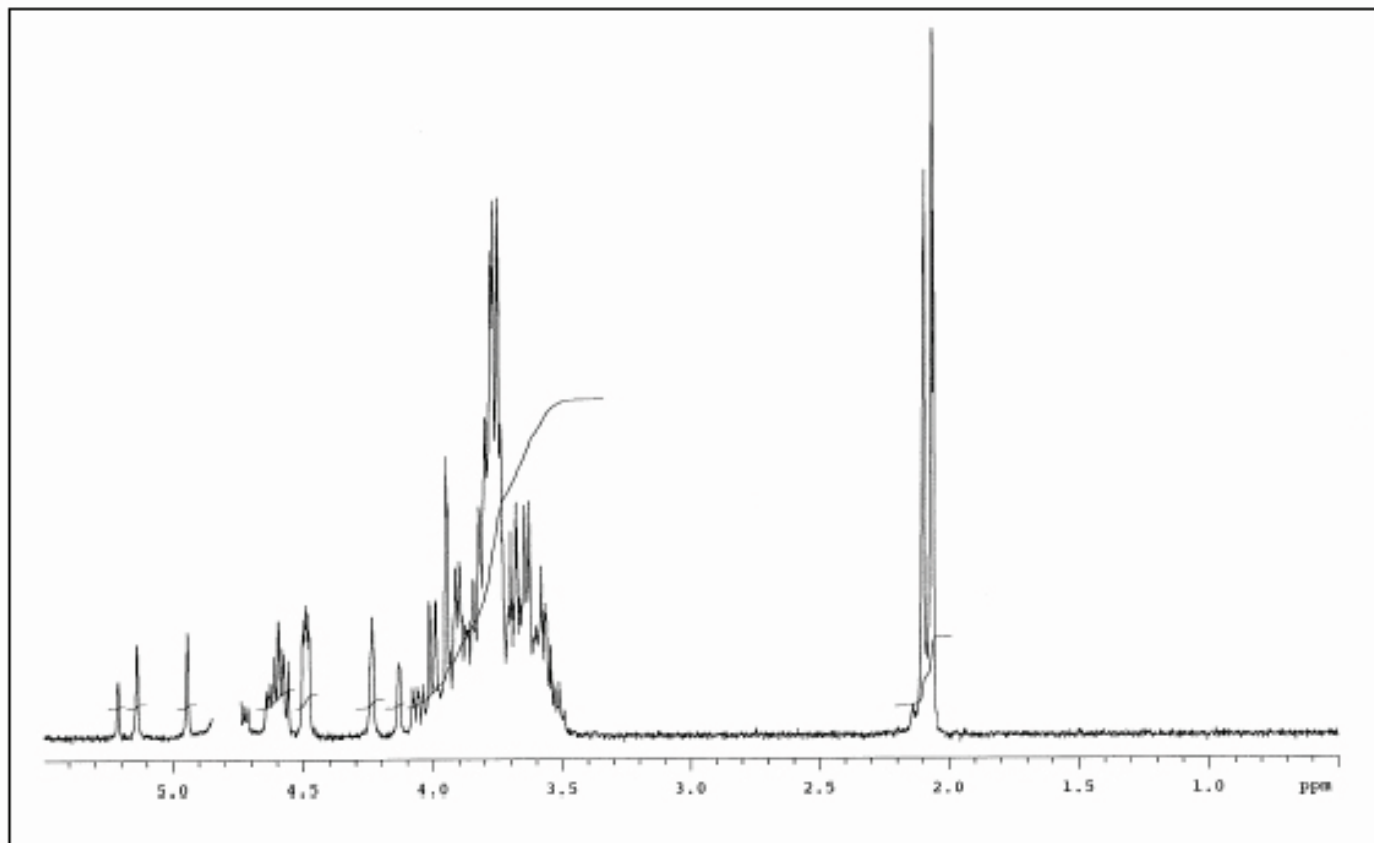
## Handling

Allow the unopened vial to reach ambient temperature and tap unopened on a solid surface to ensure that most of the lyophilized material is at the bottom of the vial. Gently remove the cap, add the desired volume of reconstitution medium, re-cap and mix thoroughly to bring all the oligosaccharide into solution. For maximal recovery of oligosaccharide, ensure that the cap lining is also rinsed and centrifuge the reconstituted vial briefly before use. Ensure that any glass, plasticware or solvents used are free of glycosidases and environmental carbohydrates.

## Safety

This product is non-hazardous and has been purified from natural sources certified to be free of all hazardous material including pathogenic biological agents.

SA-NA3 NA3 Glycan  
Specifications

**Certificate of Analysis****Product** NA3 Glycan**Catalog no.** SA-NA3**Lot no.** A33D-05**Size** 20 µg**Purity** > 90% pure as assessed by a combination of <sup>1</sup>H-NMR (see Fig 1) and HPLC.**Figure 1 : 500 MHz <sup>1</sup>H-NMR of NA3 Glycan (Cat. No.SA-NA3, Lot No. A33D-05)****Warranties and liabilities**

QA-Bio, LLC warrants that the above product conforms to the specifications described herein. Should the product fail for reasons other than through misuse QA-Bio, LLC will, at its option, replace free of charge or refund the purchase price. This warranty is exclusive and QA-Bio, LLC makes no other warrants, expressed or implied, including any implied conditions or warranties of merchantability or fitness for any particular purpose.

QA-Bio, LLC shall not be liable for any incidental, consequential or contingent damages.

This product is intended for *in vitro* research only.

*updated 11/20/2007*