



NatGlycan, LLC

1860 Montreal Rd.

Atlanta, GA 30084

<http://natglycan.com>

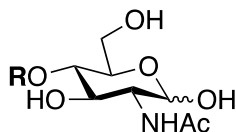
info@natglycan.com

Catalog of Glycan Products

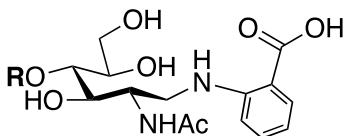
NatGlycan LLC is committed to apply our process for the oxidative release of natural glycans (ORNG) to generate unprecedented quantities of complex glycans at affordable prices to make these available as research reagents for investigations on the biological role of glycans in normal physiology and disease.

In the following pages we present the glycan structures in our current inventory of purified (>90% by HPLC and MS analyses) N-glycans that are available in milligram amounts for research purposes. We are able to provide these glycans as free, reducing glycans or as tagged glycans with a variety of labels as indicated using the following designations:

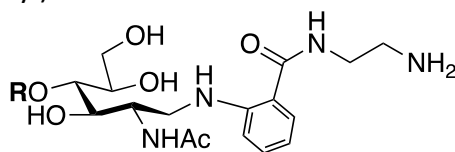
F Free, reducing glycans



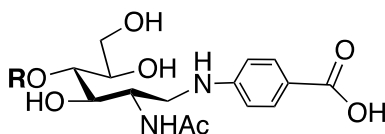
AA 2-Aminobenzoic acid



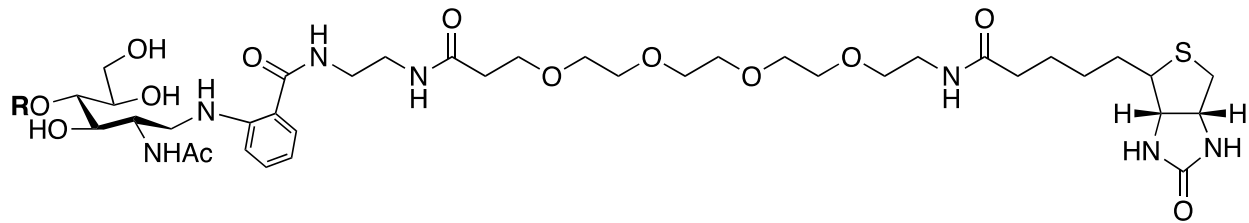
AE 2-Amino-N-(2-aminoethyl)-benzamide



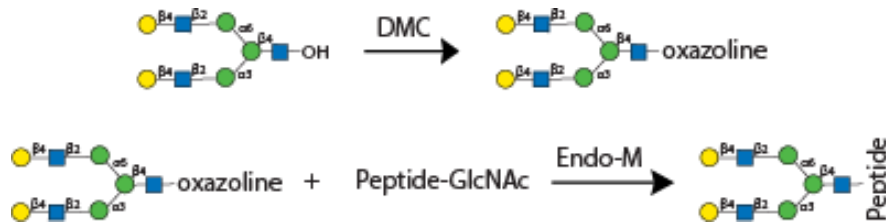
AB 4-Aminobenzoic acid



B Biotin

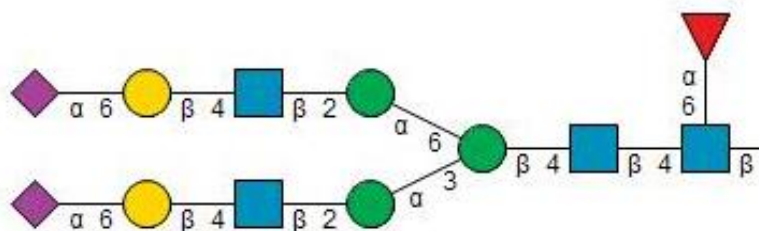


In many cases we are able to provide substrate quantities of high mannose-, complex- and hybrid-type N-glycans with a single reducing GlcNAc, which can be used as substrates for ENGase-catalyzed transglycosylation reactions ([Umekawa, et al. \(2010\) JBC, 285:515](#) and [NatGlycan Technical Report No.1](#)):



Mucor Hiemalis Endo- β -N- Acetylglucosaminidase (ENDO-M)
transfers Complex Oligosaccharides to GlcNAc of Peptides

You may search for your desired structure among over 30 structures presented using a composition designation where H = hexose, N = HexNAc, S = Sialic Acid and F = Fucose. For example, a complex type N-glycan such as a fucosylated, biantennary structure can be search with H5N4S2F1 to find:



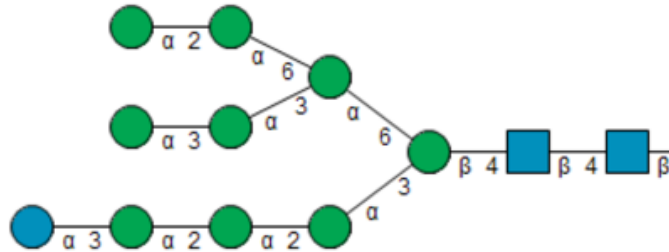
Many of our glycans are immediately available and other can be generated within a few weeks depending upon their complexity.

We will respond to immediately to email requests with pricing and proposed delivery dates.

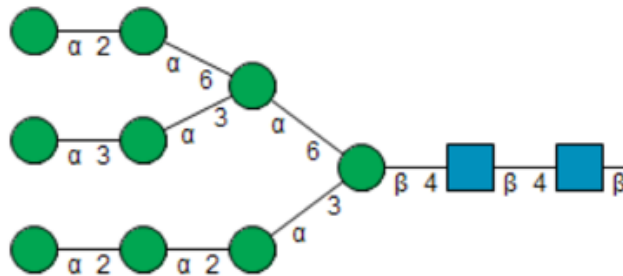
Glycan Products

1. High Mannose Type

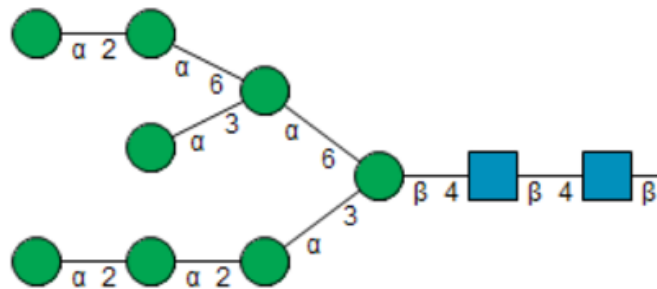
H10N2 (F, AA, AB, AE, B)



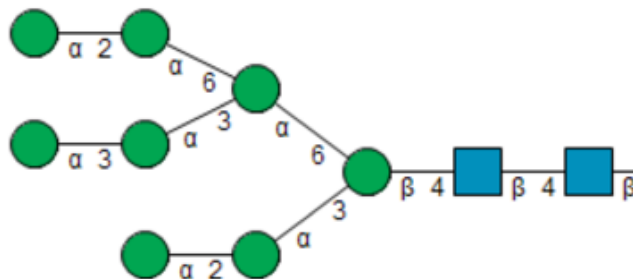
H9N2 (F, AA, AB, AE, B)



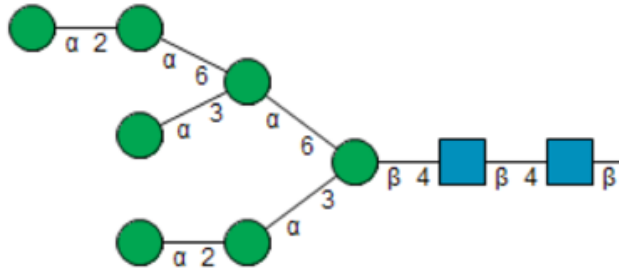
H8N2-1 (F, AA, AB, AE, B)



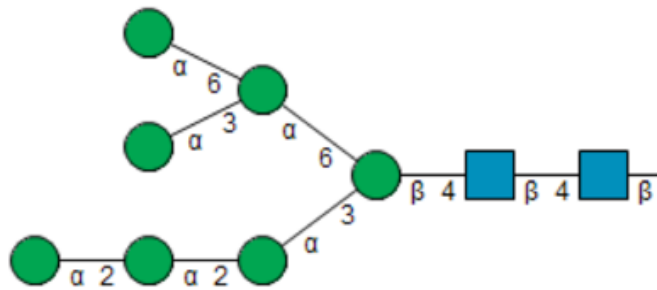
H8N2-2 (F, AA, AB, AE, B)



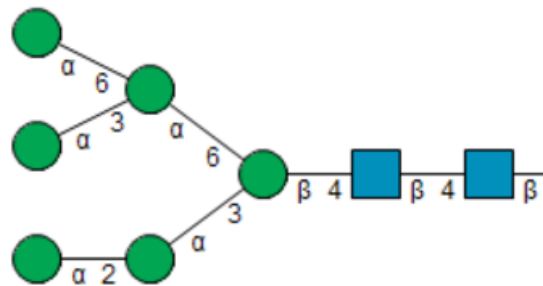
H7N2-1 (F, AA, AB, AE, B)



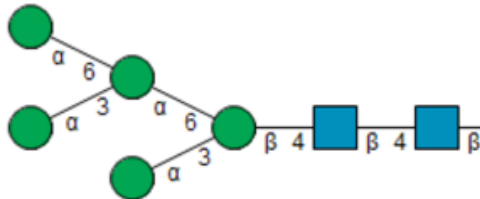
H7N2-2 (F, AA, AB, AE, B)



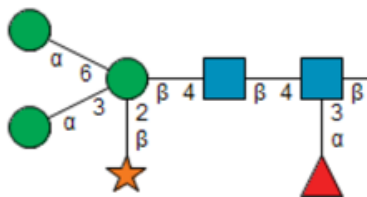
H6N2 (F, AA, AB, AE, B)



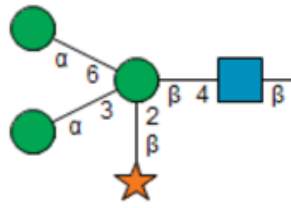
H5N2 (F, AA, AB, AE, B)



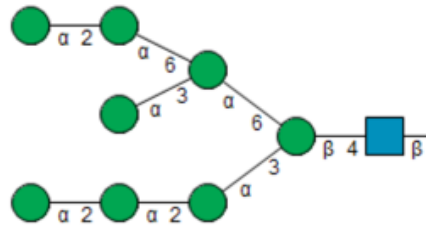
H3N2XF (F, AA, AB, AE, B)



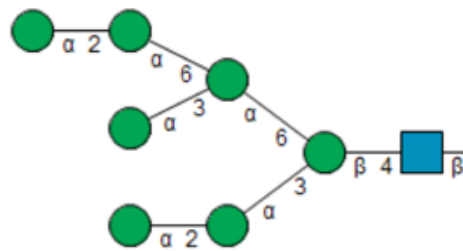
H3N1X (F, AA, AB, AE, B)



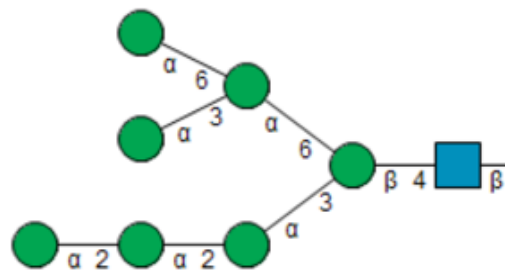
H8N1 (F, AA, AB, AE, B)



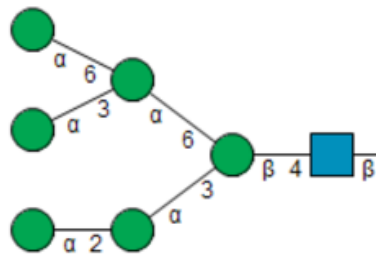
H7N1-1 (F, AA, AB, AE, B)



H7N1-2 (F, AA, AB, AE, B)

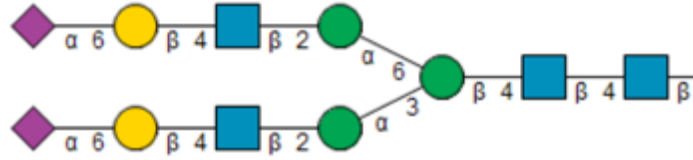


H6N1 (F, AA, AB, AE, B)

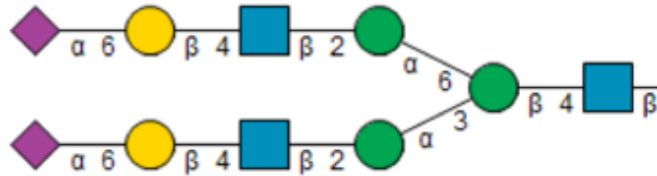


2. Complex Type

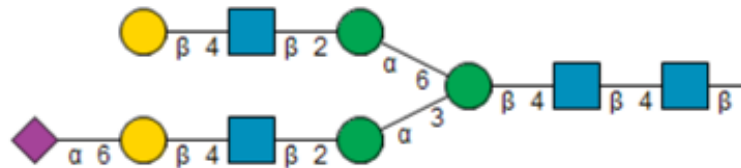
H5N4S2 (F, AB, B)



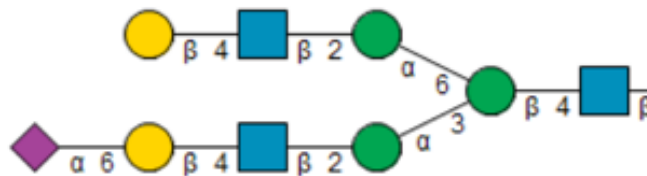
H5N3S2 (F, AB, B)



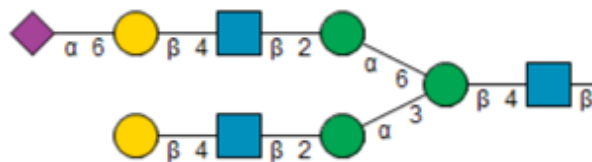
H5N4S1 (F, AB, B)



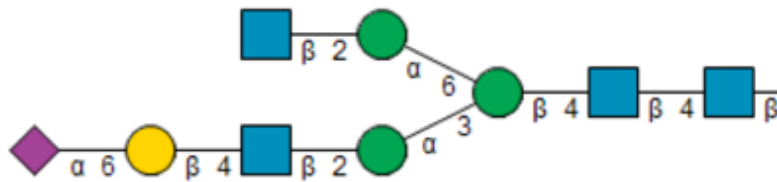
H5N3S1-1 (F, AB, B)



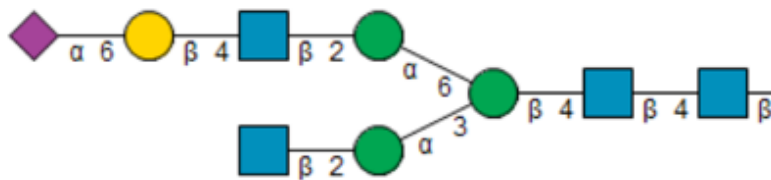
H5N3S1-2 (F, AB, B)



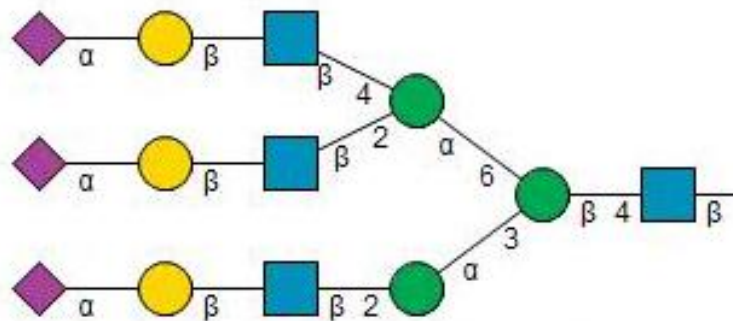
H4N4S1-1 (F, AB, B)



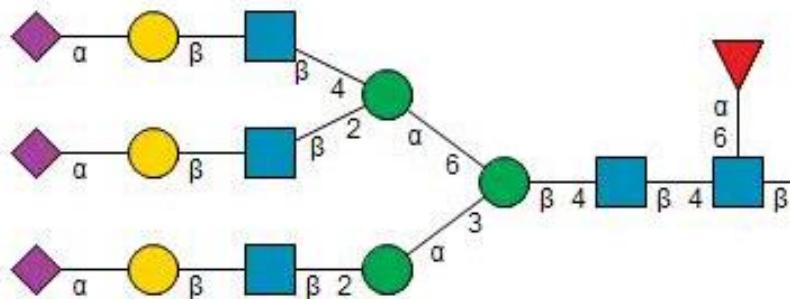
H4N4S1-2 (F, AB, B)



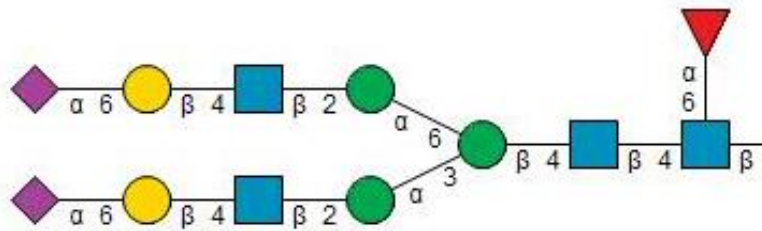
H6N4S3 (F, AB, B)



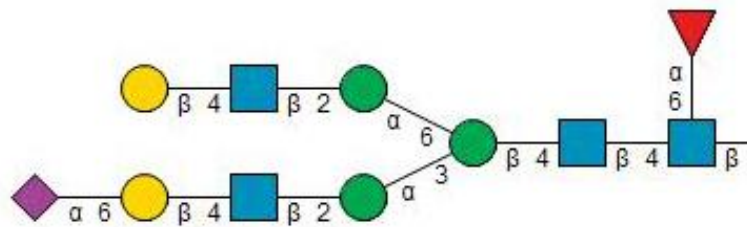
H6N5S3F1 (F, AB, B)



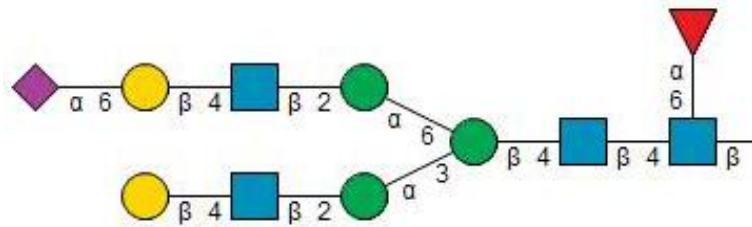
H5N4S2F1 (F, AB, B)



H5N4S1F1-1 (F, AB, B)



H5N4S1F1-2 (F, AB, B)

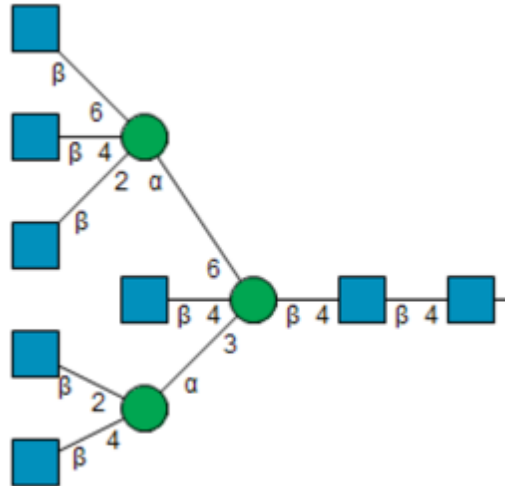


H1N1S1 (F, AB, B)

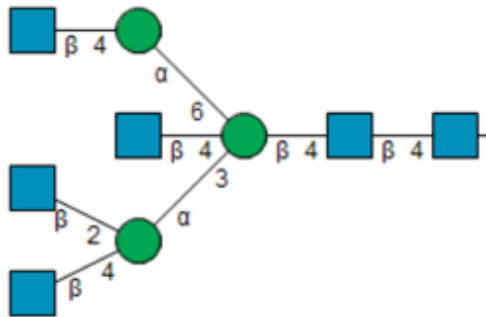


3. Hybrid Type

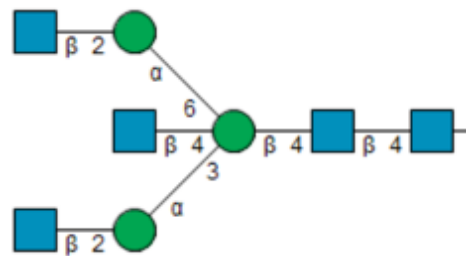
H3N8 (F, B)



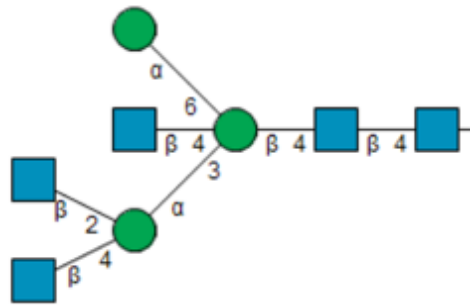
H3N6 (F, B)



H3N5-1 (F, B)



H3N5-2 (F, B)



PolyGlcNAc: (F)

