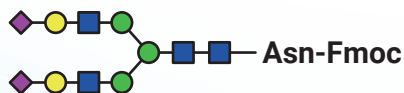
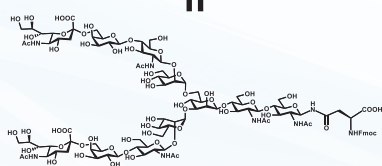




100 mg
100,000 JPY



II



Asn-Fmoc A2G2S2 glycan

N-Glycan reagents

For research

Our catalog of over 50 homogeneous and well-characterized human type N-linked glycans are tailored from highly pure A2G2S2 N-glycan using a combination of chemical and enzymatic processes. Our established bulk production capabilities enable us to provide larger amounts of glycan at a lower cost, making them accessible for use as reagents for applications ranging from basic R&D to biotherapeutics development and production.

Well-defined glycan structures

All our glycan reagents are homogeneous in structure and manufactured by multidimensional NMR-validated processes.

Practical amounts for any application

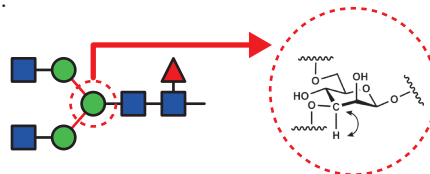
- Available at milligram to gram scale for research
- Bulk glycan production (gram to kilogram) to order for API manufacturing

Ready to meet your needs

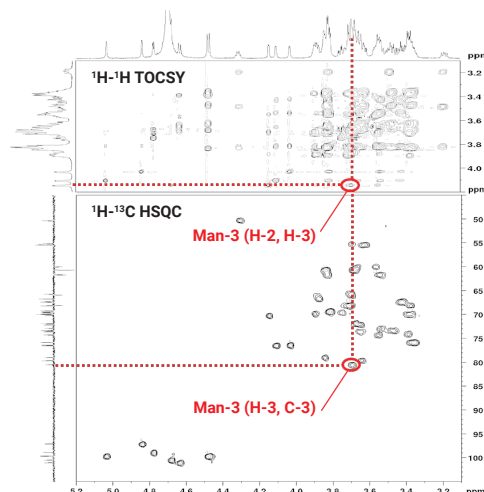
- Comprehensive product range including:
 - Over 50 different N-glycan structures
 - Special glycan structures (e.g. bisecting GlcNAc)
 - Various functional and activating groups (maleimide, succinimide, haloacetamide, etc.)
 - Various labels for analytical use (2-AB, RapiFluor-MS, etc.)
- Custom synthesis of glycan reagents and analytical standards to meet specific research purposes

Validated structures

Not only the constituent monosaccharides but also the positions and configurations of the glycosidic bonds of the glycan are validated for each manufacturing process.



¹H-¹³C correlation analysis of 3-position of Man-3



Comprehensive glycan catalog: over 50 glycans available

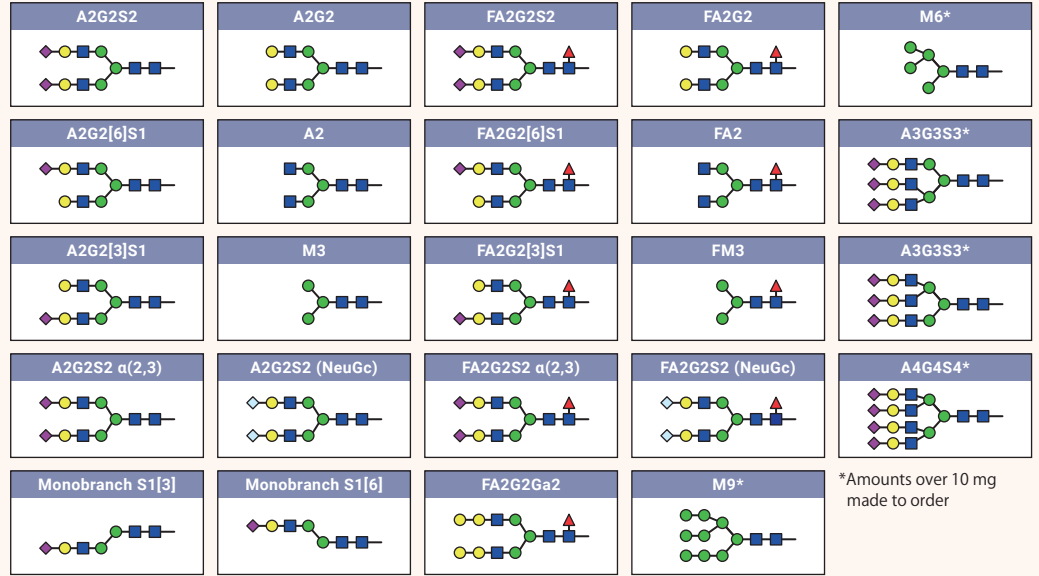
Standard pack sizes : 1 mg, 5 mg, 10 mg, 50 mg, 100 mg Purity : >90%

Commonly ordered glycan structures

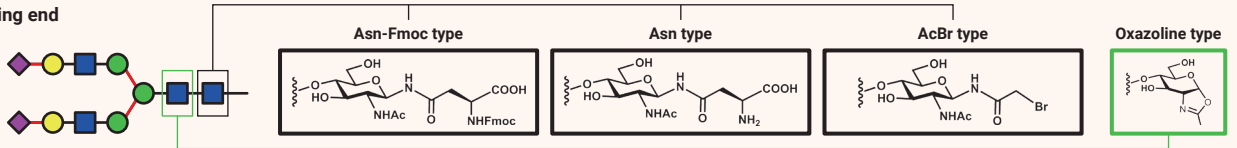
Other structures and customizations are available. Please contact us to discuss your requirements.

Key

- ◆ NeuAc
- ◆ NeuGc
- Galactose
- GlcNAc
- Mannose
- ▲ Fucose



Standard reducing end modifications



Standard functionalizations

Four different reducing end modifications are available as standard for direct experimental use in a variety of common applications.

Modifications and example uses:

- Asn-Fmoc or Asn type → Solid-phase peptide synthesis (SPPS)
- BrAc type → Targeted glycosylation
- Oxazoline type → Enzymatic trans-glycosylation

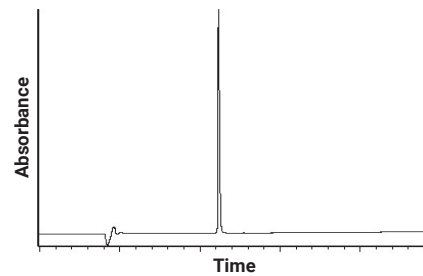
Reliable and dependable supply

GlyTech has supplied glycans to pharmaceutical companies, academia and research institutions globally. Our glycan reagents have been used in projects ranging from new therapeutics development to biomarker discovery, antibody R&D and fundamental glycoscience research.

With nearly 20 years experience in glycosylation, GlyTech can offer advice and support from reagent selection to experimental usage. Contact us, our experts will be happy to help you!

GlyTech Quality Assured

Every glycan is shipped with an LC analysis report confirming its purity.



Research using our glycans

- Establishment and characterization of a fucosylated α -fetoprotein-specific monoclonal antibody: a potential application for clinical research (*Sci Rep.* 2019; 9(1): 12359)
- Total Chemical Synthesis of a Nonfibrillating Human Glycoinsulin (*J. Am. Chem. Soc.* 2020, 142, 3, 1164–1169)
- Chemical Synthesis and Characterization of a Nonfibrillating Glycoglucagon (doi.org/10.1021/acs.bioconjchem.1c00419)
- Cell wall N-glycan of *Candida albicans* ameliorates early hyper- and late hypo-immunoreactivity in sepsis (*Commun Bio.* 2021; 4: 342)