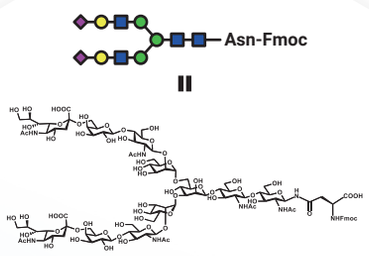
Glycan reagents
Products

GlyTech, Inc.
Glycoscience for Better Health

# N-Glycan reagents




A2G2S(6)2 N-glycan [Asn-Fmoc]

## 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.**

## Practical amounts for any application

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

## Well-defined glycan structures

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

## 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, 2-AA, 2-AP, APTS, etc.)
- Custom synthesis of glycan reagents and analytical standards to meet specific research purposes

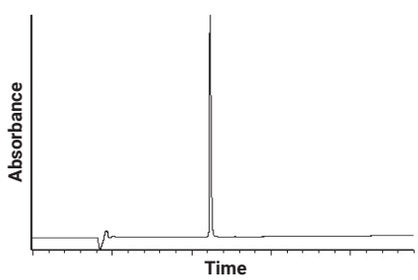
## Standard functionalizations

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

## GlyTech Quality Assured

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

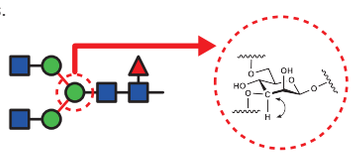



## Reliable and dependable supply

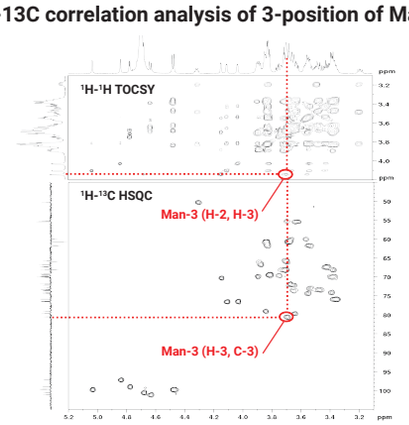
GlyTech has supplied glycans to pharmaceutical companies, academia and research institutions globally. Our glycan reagents have been used in projects ranging from new therapeutics development to biomarker discovery, antibody R&D and fundamental glycoscience research.

### 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.

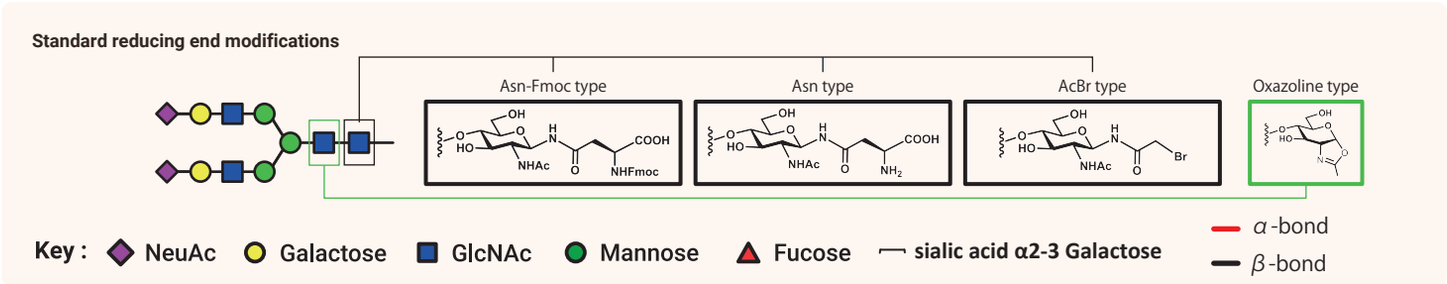


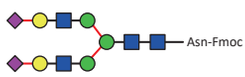
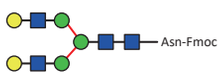
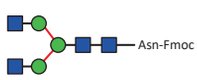
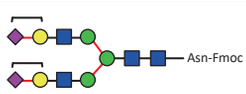
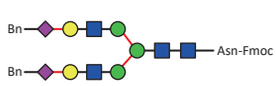
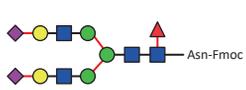
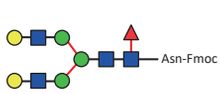
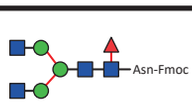
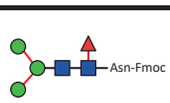
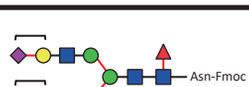
**1H-13C correlation analysis of 3-position of Man-3**




## 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)




| Name | Structure | CAS RN® | Code | Pack size |
|---|---|---|---|---|
| GT-25001<br>A2G2S(6)2 N-glycan [Asn-Fmoc] |  | 491844-97-4 | TUS000001<br>TUS000002 | 10mg<br>100mg |
| GT-25022<br>A2G2 N-glycan [Asn-Fmoc] |  | 204715-69-5 | TUS000003<br>TUS000004 | 10mg<br>100mg |
| GT-25023<br>A2 N-glycan [Asn-Fmoc] |  | 195260-97-0 | TUS000005<br>TUS000006 | 10mg<br>100mg |
| GT-25024<br>M3 N-glycan [Asn-Fmoc] |  | 491845-15-9 | TUS000007<br>TUS000008 | 10mg<br>100mg |
| GT-25025<br>A2G2S(3)2 N-glycan [Asn-Fmoc] |  | 717922-27-5 | TUS000009<br>TUS000010 | 10mg<br>100mg |
| GT-25050<br>A2G2S(6)2 N-glycan [Asn-Fmoc,Neu5Ac(OBn)] |  | – | TUS000011<br>TUS000012 | 10mg<br>100mg |
| GT-25132<br>FA2G2S(6)2 N-glycan [Asn-Fmoc] |  | 1308872-08-3 | TUS000013<br>TUS000014 | 10mg<br>100mg |
| GT-25153<br>FA2G2 N-glycan [Asn-Fmoc] |  | – | TUS000015<br>TUS000016 | 10mg<br>100mg |
| GT-25154<br>FA2 N-glycan [Asn-Fmoc] |  | 2088923-61-7 | TUS000017<br>TUS000018 | 10mg<br>100mg |
| GT-25155<br>FM3 N-glycan [Asn-Fmoc] |  | 1308872-05-0 | TUS000019<br>TUS000020 | 10mg<br>100mg |
| GT-25156<br>FA2G2S(3)2 N-glycan [Asn-Fmoc] |  | – | TUS000021<br>TUS000022 | 10mg<br>100mg |

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

*Manufacturing partner*
GlyTech, Inc.

凯希达化学（上海）有限公司

E-mail: ian.zhao@kishida-chemical.com.cn
Wechat ID : zw_choui

Wechat