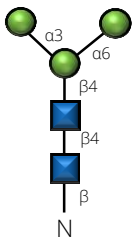


# N-Glycans

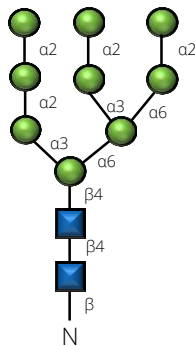
Asparagine-linked glycans (N-glycans) are structurally diverse compounds, based on a core pentasaccharide (Man3GlcNAc2), which are classified into three types: high mannose oligomannose type, complex type and hybrid type. N-Glycans are components of glycoproteins, glycolipids and proteoglycans that are involved in several biological processes such as protein folding, membrane receptor signaling and immune response. Synthetic N-glycans have therefore wide-spread applications as research and analytical tools to study the diverse roles of N-glycans.

## Structural classification of N-glycans

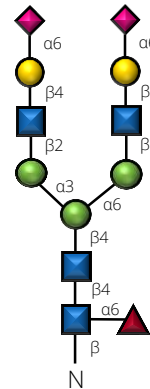
Core pentasaccharide



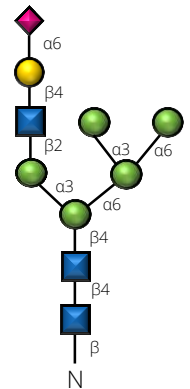
High mannose



Complex



Hybrid



N-Acetylglucosamine

Mannose

Galactose

N-Acetylneuraminic acid

Fucose

## Applications

- HPLC, CE and MS analyses as a reference standard in biopharmaceutical industry.
- Reference standard for quantifying derivatives of N-glycans, such as in glycoproteins and therapeutic antibodies.
- Glycoprofiling in drug development, as a method for improving drug safety and efficacy.
- Medical glycomics: as standards for investigation of changes in post-translational modifications during disease and for developing novel biomarkers.

Category	CAS number	Code	Product	Quantity	Price (\$)
High Mannose N-Glycans					
	66091-47-2	OM07640	Man-5 N-Glycan	10 µg	275.00
	70158-31-5	OM28939	Man6GlcNAc (I)	1 mg	595.00
		OM06569	Man6GlcNAc (II)	500 µg	315.00
	83178-05-6	OM10176	Man-7D1 N-Glycan	20 µg	240.00
Other N-Glycans					
	571188-30-2	OA16145	A1FN-Glycan	10 µg	525.00
		OM58594	Man-3 Glycan, 2-AB labelled	0.1 µg	155.00
	71496-53-2	ON10165	NA2	10 µg	210.00