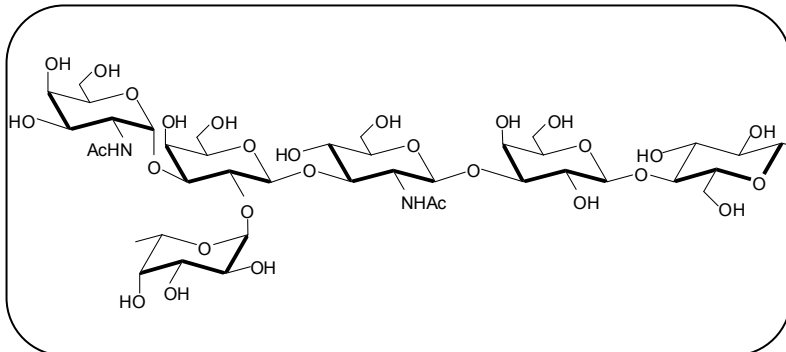


## Customized delivery of functionalized oligosaccharides

- Building block
- Glycodendrimer building
- Affinity matrix



**Example:**  
Blood group B antigen hexaose type 1

**Click chemistry groups: allyl, propargyl**

**Amine functionalization**

**Affinity matrix: acrylate gel, cellulose or other supports**

**Biotin Label**

**Fluorescent probe**

**Bovin Serum Albumin**

**Any customization on demand**

**Every Elicityl carbohydrate could be functionalized**

## Examples of functionalized Oligosaccharides

### Functionalized Blood group & Lewis antigens

GLY030	Blood group H antigen disaccharide
GLY031-3	Blood Group H triaose type 5/ 2'FL
GLY033-2	Blood Group H pentaose type 2
GLY034	Blood group A antigen triaose
GLY035-3	Blood group A antigen tetraose type 5
GLY036-1	Blood group A pentaose type 1
GLY037-1	Blood group A hexaose type 1
GLY038-3	Blood group B antigen tetraose type 5
GLY040-1	Blood group B hexaose type 1
GLY050	Lewis <sup>x</sup> tetraose
GLY052	Lewis <sup>y</sup> pentaose
GLY053	Sialyl Lewis <sup>x</sup> pentaose
GLY054	Lewis <sup>a</sup> tetraose
GLY056	Lewis <sup>b</sup> pentaose
GLY058	Blood group B antigen triaose

### Functionalized Ganglio-Series

GLY090	3'Sialyllactose / GM3
GLY091	GD3 ganglioside sugar
GLY092	GT3 ganglioside sugar
GLY093	GM2 ganglioside sugar
GLY094	GD2 ganglioside sugar
GLY096	GM1a ganglioside sugar
GLY098	GD1a ganglioside sugar
GLY100	GT1a ganglioside sugar
GLY103	Fucosyl GM1 ganglioside sugar
GLY104	aGM2 ganglioside sugar

### Functionalized Globo-Series antigens

GLY120	Globotriaose / P <sup>k</sup> antigen
GLY123	Globo-H hexaose / SSEA-3b
GLY127	Globo-H Tetraose
GLY131	SSEA4 Hexaose
GLY151	GalNAc $\beta$ -3Gal / Gb4Globo-side terminal

### Functionalized Fucosylated Oligosaccharides

GLY060	3-Fucosyllactose / 3-FL
GLY031-3	2'Fucosyllactose

### Functionalized Gal $\alpha$ -3Gal Oligosaccharides

GLY070	Isoglobotriaose
GLY071-1	Galili antigen
GLY072	Isoglobotetraose

### Functionalized Core structure

GLY021	Core type 2 / LNnT / neo LNT
GLY022	Core type 2 / Para-LNnH
GLY126	Core type 4 / Gal $\beta$ 1-3GalNAc $\beta$ 1-3Gal
GLY153	Gal $\alpha$ 1-3Gal
GLY220	Lactose
GLY221	Galactose
GLY143	Fucose

### Biotin probes key characteristics

- New generation of biotinylated saccharide probes that enable immobilization of desired oligosaccharides on streptavidin matrices for studies of carbohydrate-protein interactions
- Efficient tools for Research of biochemical transformations, imaging, protein interactions, and protein & antibody purifications
- **Ready-to-immobilize** on Streptavidin/Avidin plate for **Elisa** Assays

### Affinity Gel key characteristics

- Ready to use syringe with slurry
- Non-carbohydrate matrix to avoid **non-specific sugar-dependent interactions**
- High exclusion volume (5 000 kDa for a globular protein)
- Robust : Resistant to extreme pH

### About the spacer arm

- The spacer arm is ranging from 2 to 5 nm long
- Mainly hydrophilic type
- Spacer length **can be adapted on demand** with customized study
- **Covalent linkage** / non-destructive on Terminal conjugated carbohydrate

*This selection of products is extracted from the OligoTech<sup>®</sup> catalogue, our offer of oligosaccharides and polysaccharides.*

*Full catalogue can be downloaded from [www.elicityl-oligotech.com](http://www.elicityl-oligotech.com)*

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