

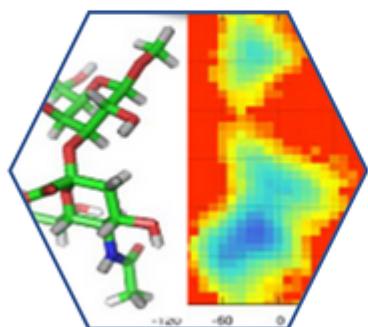
## Glyco3D: A New Portal

### Description

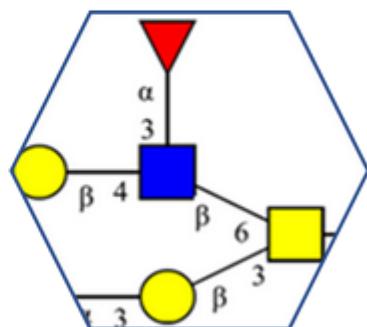
The new Glyco3D portal ([glyco3D@cermav.cnrs.fr](mailto:glyco3D@cermav.cnrs.fr)) brings together databases and applications of

interest to structural glycosciences

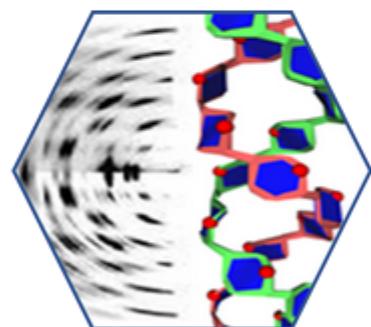
# GLYC03D 2



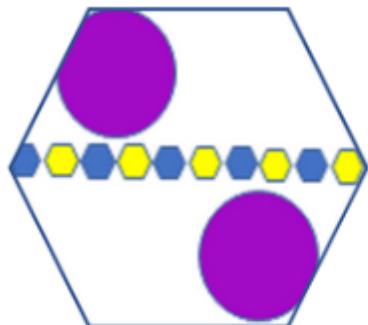
Disac3-DB



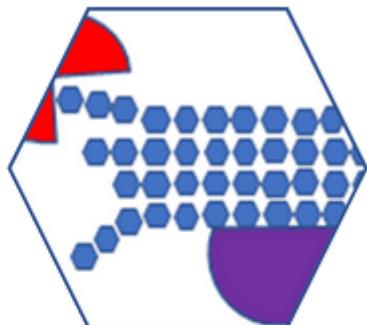
BioOligo-DB



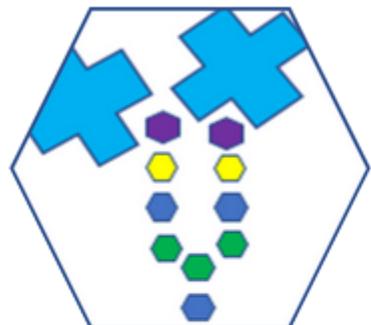
Polysac3-DB



GAG-DB



CBMcarb-DB



Unilectin



Monosac-DB

**Disac3-DB:** 160 disaccharides, 3D Structures, xyz, Potential Energy Surfaces, SNFG representations

**BioOligo-DB :** 314 oligosaccharide, 3D structures, xyz, Taxonomy, SNFG representations

**Polysac3-DB :** Polysaccharides, 3D Structures, xyz, X-ray, e- diffractograms, taxonomy, (curated)

**NMR Oligo :** NMR data, 150 oligosaccharides, 1H, 13C, COSY, TOCSY, HMQC & HMBC ,  
Taxonomy, SNFG representations

**EPS-DB :**

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140 bacterial Polysaccharides; 3D structures, xyz, functional properties, genetic data, taxonomy (curated)

**GAG-DB** : 123 3D Xay of GAG binding proteins crystal complexes, xyz, Taxonomy, Bibliography (curated)

**CBMcar-DB** : 353 3D Xay of Carbohydrate Binding Modules crystal complexes, xyz, Taxonomy, Bibliography (curated)

**Unilectin** : 2332 3D Xray lectins (1493 interacting glycan), xyz, Taxonomy, Bibliography (curated)

**mAbscarb-DB** : 3D XR mAb interacting with glycan, xyz, SNFG representation

**Polys-Glycan Builder**: 3D structure generation of poly- and complex oligosaccharides from MM2- precalculated glycosidic linkage torsions and energy minimization

**Monosac-DB** : 250 Monosaccharides, 3D structures, xyz, SNFG representations

**Click & Diplay** : Easy display by LiteMol from pdb

Other Tools

glyco3D@cermav.cnrs.fr

## Category

### 1. News