Resource Summary Report

Generated by NIF on Apr 17, 2025

GlycoMapsDB

RRID:SCR_002810
Type: Tool

Proper Citation

GlycoMapsDB (RRID:SCR_002810)

Resource Information

URL: http://www.glycosciences.de/modeling/glycomapsdb/

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Description: A data base system for the management of conformational maps and profiles, the system allows conformational maps to be archived in a standard format, and it provides search and comparison facilities. An interface to structures from Sweet-DB is implemented. GlycoMapsDB also offers scientists the possibility of adding their own publicized structures to the database via a web interface. GlycoMapsDB provides maps of 3D and 2D mono- and disaccharides. It provides users conformational information on carbohydrates and glycoproteins.

Abbreviations: GlycoMaps DB

Synonyms: GlycoMaps Database

Resource Type: data analysis service, database, data repository, data or information resource, analysis service resource, production service resource, storage service resource, service resource

Defining Citation: PMID:17202175

Keywords: disaccharide, monosaccharide, protein conformation, modeling, conformational map, structure, fragment, conformation, carbohydrate

Funding: DFG BIB 46 HDdkz 01-01

Resource Name: GlycoMapsDB

Resource ID: SCR_002810

Alternate IDs: nif-0000-02913

Record Creation Time: 20220129T080215+0000

Record Last Update: 20250417T065119+0000

Ratings and Alerts

No rating or validation information has been found for GlycoMapsDB.

No alerts have been found for GlycoMapsDB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Gabrielli V, et al. (2021) Molecular Recognition of Natural and Non-Natural Substrates by Cellodextrin Phosphorylase from Ruminiclostridium Thermocellum Investigated by NMR Spectroscopy. Chemistry (Weinheim an der Bergstrasse, Germany), 27(63), 15688.

Feng Y, et al. (2017) Compatible topologies and parameters for NMR structure determination of carbohydrates by simulated annealing. PloS one, 12(12), e0189700.

Lütteke T, et al. (2012) The use of glycoinformatics in glycochemistry. Beilstein journal of organic chemistry, 8, 915.

Viswanathan K, et al. (2010) Glycans as receptors for influenza pathogenesis. Glycoconjugate journal, 27(6), 561.

Lütteke T, et al. (2009) Analysis and validation of carbohydrate three-dimensional structures. Acta crystallographica. Section D, Biological crystallography, 65(Pt 2), 156.