

Resource Summary Report

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Carbohydrate Structure Database

RRID:SCR_018684

Type: Tool

Proper Citation

Carbohydrate Structure Database (RRID:SCR_018684)

Resource Information

URL: <http://csdb.glycoscience.ru/database/>

Proper Citation: Carbohydrate Structure Database (RRID:SCR_018684)

Description: Database contains manually curated natural carbohydrate structures, taxonomy, bibliography, NMR data. Bacterial and Plant and Fungal databases were merged to improve quality of content-dependent services, such as taxon clustering or NMR simulation. These separate databases will be supported in parallel until 2020.

Abbreviations: CSDB

Synonyms: CSDB version 1

Resource Type: data or information resource, database

Keywords: Manually curated data, natural carbohydrate structure, carbohydrate taxonomy, carbohydrate bibliography, NMR data, bacterial carbohydrate data, fungal carbohydrate data, taxon clustering

Funding: Cooperative Threat Reduction Program of the US Department of Defense ; Russian Foundation for Basic Research ; Russian Science Foundation ; Russian Federation President program ; Deutsches Krebsforschungszentrum

Availability: Free, Freely available

Resource Name: Carbohydrate Structure Database

Resource ID: SCR_018684

Alternate IDs: r3d100012862

Alternate URLs: <https://doi.org/10.17616/R3QZ33>

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260729T044448+0000

Ratings and Alerts

No rating or validation information has been found for Carbohydrate Structure Database.

No alerts have been found for Carbohydrate Structure Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Wong CK, et al. (2025) Leveraging the Capsular Polysaccharide Synthesis Pathway in *Streptococcus pneumoniae* as a Genetic Glycoengineering Platform. ACS bio & med chem Au, 5(3), 342.

Nieto-Fabregat F, et al. (2024) Computational toolbox for the analysis of protein-glycan interactions. Beilstein journal of organic chemistry, 20, 2084.

Misevic G, et al. (2021) Glycan-to-Glycan Binding: Molecular Recognition through Polyvalent Interactions Mediates Specific Cell Adhesion. Molecules (Basel, Switzerland), 26(2).

Smorodin EP, et al. (2021) Prospects and Challenges of the Study of Anti-Glycan Antibodies and Microbiota for the Monitoring of Gastrointestinal Cancer. International journal of molecular sciences, 22(21).

Li X, et al. (2020) Databases and Bioinformatic Tools for Glycobiology and Glycoproteomics. International journal of molecular sciences, 21(18).

Safonov AV, et al. (2020) Structure and gene cluster of the O-polysaccharide from *Pseudomonas veronii* A-6-5 and its uranium bonding. International journal of biological macromolecules, 165(Pt B), 2197.

Whitfield C, et al. (2020) Lipopolysaccharide O-antigens-bacterial glycans made to measure. The Journal of biological chemistry, 295(31), 10593.