

Resource Summary Report

Generated by SPARC SAWG on Aug 13, 2026

Carbohydrate Structure Database

RRID:SCR_018684

Type: Tool

Proper Citation

Carbohydrate Structure Database (RRID:SCR_018684)

Resource Information

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

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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: 20260811T043621+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 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

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.

Obukhova PS, et al. (2022) Antibodies Against Unusual Forms of Sialylated Glycans. *Acta naturae*, 14(2), 85.

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).

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

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.