

Resource Summary Report

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Bacterial Carbohydrate Structure DataBase

RRID:SCR_007560

Type: Tool

Proper Citation

Bacterial Carbohydrate Structure DataBase (RRID:SCR_007560)

Resource Information

URL: <http://www.glyco.ac.ru/bcsdb3/>

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Description: The Bacterial Carbohydrate Structure DataBase is aimed at provision of structural, bibliographic, taxonomic and related information on bacterial carbohydrate structures. It currently requires Internet Explorer in order to function properly. Two key points of this service are: :* covering - is above 95% in the scope of bacterial carbohydrates. This means the negative search answer remains the valuable information too. :* consistence - we manually check the data, and aim at high quality error-free content The source of data are Carbbank database (University of Georgia, Athens; structures published before 1995, approx. 4000 records) and manual data posting (structures published after 1995, approx. 3000 records). The scope is bacterial carbohydrates and covers nearly all structures of this class published before 2006. Bacterial means that a structure has been found in bacteria or obtained by modification of those found in bacteria. Carbohydrate means a structure composed of any residues linked by glycosidic, ester, amidic, ketal, phospho- or sulpho-diester bonds, in which at least one residue is a sugar or its derivative. Besides the structure itself, each record includes bibliography, abstract, keywords, biological source, methods used to elucidate the structure, bioactivity, NMR assignment tables and a lot of other information. More details, including a format of records, are available at data submission page. You can search the database by IDs, bibliographic data and keywords, biological source, the fragment of structure and NMR data. The substructure search implies either a query language (expert form) or a structure wizard. The database is cross-linked with GlycoSCIENCES DB, which includes all the data from Carbbank (not only bacterial). This means you can search the substructure you entered in GlycoSCIENCES DB, and each record, which contains a structure also present in Carbbank, has a cross-link to data from GlycoSCIENCES DB, including NMR spectra.

Synonyms: BCSDB

Resource Type: data or information resource, database

Keywords: bacterial carbohydrate, bacterial carbohydrate structure

Resource Name: Bacterial Carbohydrate Structure DataBase

Resource ID: SCR_007560

Alternate IDs: nif-0000-02598, r3d100011257

Alternate URLs: <https://doi.org/10.17616/R3G04N>, <https://doi.org/10.17616/R3G04N>

Record Creation Time: 20220129T080242+0000

Record Last Update: 20260811T043311+0000

Ratings and Alerts

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

No alerts have been found for Bacterial Carbohydrate Structure DataBase.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Frank M, et al. (2010) Bioinformatics and molecular modeling in glycobiology. Cellular and molecular life sciences : CMLS, 67(16), 2749.