Resource Summary Report

Generated by RRID on Sep 10, 2026

LINUCS

RRID:SCR_001571
Type: Tool

Proper Citation

LINUCS (RRID:SCR_001571)

Resource Information

URL: http://www.glycosciences.de/tools/linucs/

Proper Citation: LINUCS (RRID:SCR_001571)

Description: Service that directly converts the commonly used extended representation of complex carbohydrates into the preferred canonical description or into its inverted form. Input: A structure using the extended, non-graphic nomenclature (in ASCII writing) to describe complex carbohydrates as recommended by IUPAC. Output: A linear, unique notation. The source code (written in C), will be distributed so that software developers can easily implement their algorithm within their own application. LINUCS was chosen to fulfill to following conditions: * Input of extended, non-graphic nomenclature to describe carbohydrate structures. * Resulting linear code is closely related to notations and abbreviations recommended by IUPAC. * Number of additional rules to define the priority of the branches is low * Extended nomenclature of complex carbohydrates contains all information to define the hierarchy. * LINUCS is applicable to all types of carbohydrates (macrocyclic system are currently not implemented) . * Remaining unassigned linkage information are tolerated

Abbreviations: LINUCS

Synonyms: LINUCS: LInear Notation for Unique description of Carbohydrate Sequences, LInear Notation for Unique description of Carbohydrate Sequences

Resource Type: analysis service resource, data analysis service, production service resource, service resource, software resource, source code

Defining Citation: PMID:11675023

Keywords: carbohydrate, notation, structure, carbohydrate sequence, canonical description, glycodatabase, glycobioinformatics, algorithm, molecule, sequence

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: LINUCS

Resource ID: SCR_001571

Alternate IDs: nlx_152883

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260905T132953+0000

Ratings and Alerts

No rating or validation information has been found for LINUCS.

No alerts have been found for LINUCS.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.