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Swiss Institute of Bioinformatics

UNIVERSITY OF GOTHENBURG

INTERSECT

Bioplatforms Australia

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STINT
The Swedish Foundation for International Cooperation in Research and Higher Education

UniCarbKB
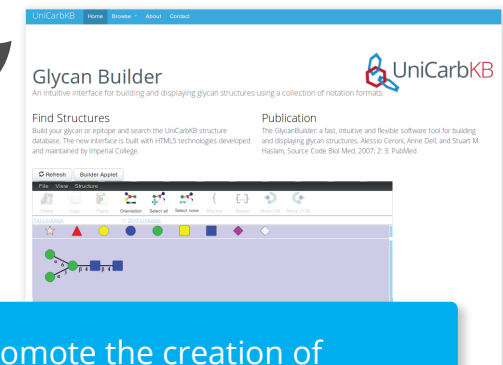
eResearch Infrastructure for Glycoscience

Promoting the creation of online information storage and search platform for glycomics and glycobiology research.

The UniCarbKB knowledgebase will offer a freely accessible and information rich resource supported by querying interfaces, annotation technologies and the adoption of common standards to integrate structural, experimental and functional data.

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UniCarb-DB

Glycan Builder
An intuitive interface for building and displaying glycan structures using a collection of notation formats.

Find Structures
Build your glycan or epitope and search the UniCarbKB structure database. The new interface is built with HTML5 technologies developed and maintained by Imperial College.

Publication
The GlycanBuilder: a fast, intuitive and flexible software tool for building and displaying glycan structures. Alessio Ceroni, Anne Dell, and Stuart M Haslam, Source Code Biol Med. 2007; 2: 3. PubMed

UniCarbKB

Ion:	[M-H]⁻
Base Peak m/z:	895.3
Calculated mass and m/z:	896.349 - 895.341
Persubstitution:	Underivatised
Reducing End:	
Retention Time:	
Annotated Fragments:	

The UniCarb-DB database is a resource for storing annotated LC-MS and MS/MS data collections

GlycoSuite

Promote the creation of online information storage and search platform for the glycosciences

SIB
Swiss Institute of Bioinformatics

SugarBindDB
Pathogen Sugar-Binding Database

UniProt

Glycosylation	99	1	N-linked (GlcNAc...)	Ref 5	Ref 7	CAR_000061
Glycosylation	156	1	N-linked (GlcNAc...)	Ref 5	Ref 7	CAR_000062
Glycosylation	176	1	N-linked (GlcNAc...)	Ref 5	Ref 7	CAR_000063

EUROCarbDB

UniCarbKB
www.unicarbkb.org

nectar

Extending a meta-data system to describe captured mass spectrometry data collections

The SugarBind database collects protein-carbohydrate binding pairs associated with initial stages of infection by human pathogens

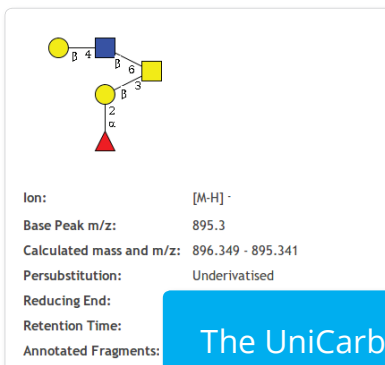| Pathogen or Toxin | |
Legionella pneumophila	Gal
Legionella pneumophila	Gal
Legionella pneumophila	Gal(b1-4)GlcNAc
Legionella pneumophila	Gal(b1-4)GlcNAc
Legionella pneumophila	GalNAc(b1-3)Gal
Legionella pneumophila	GalNAc(b1-4)Gal
Legionella pneumophila	GalNAc(b1-4)Gal
Legionella pneumophila	GalNAc(b1-4)Gal(b1-4)Glc(b1-1)Cer
Legionella pneumophila	Man(a1-2)Man

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ands
AUSTRALIAN NATIONAL DATA SERVICE

CFG functionalglycomicsgateway

Probing the functional roles of glycans by linking structure with recognition data