

CD Bioglyco Unveils Comprehensive Hot Glycans Catalog to Support Global Glycobiology Advancements

CD Bioglyco's Hot Glycans offers key glycan structures & custom services for disease research, featuring N-/O-glycans, with QC validation.

NEW YORK, NY, UNITED STATES, April 30, 2025 /EINPresswire.com/ -- CD Bioglyco, the leading platform for glycobiology, recently announced the launch of the Hot Glycans research resource, a list of key [glycan structures](#) and their applications with the greatest potential for breakthroughs in glycoscience today. Its goal is to provide systematic glycan products and custom services to global researchers, pharmaceutical developers, and technology departments, further promoting foundational research and application development in the field of glycobiology.



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Glycans are essential for immunological regulation, pathogen infection, cell recognition, signal transduction, and the advancement of illness. With the continuous advancement of glycobiology research, the demand for glycan molecules in areas such as cancer, infectious diseases, neurodegenerative diseases, and stem cell biology is steadily increasing. To meet the growing need for high-quality glycan resources from both the research and industrial sectors, CD Bioglyco has launched a comprehensive and well-organized Hot Glycans resource catalog that covers multiple important research areas.

CD Bioglyco's top glycan resources in this release cover:

N-Glycans: involved in key biological processes such as protein folding, quality control and intercellular communication.

O-Glycans: widely involved in cell signaling and regulation of disease-related functions.

Glycosaminoglycans (GAGs): play an important role in extracellular matrix structure, cell proliferation and migration.

Glycolipids: involved in cell recognition and signaling.

Other highlights:

HMOs

Blood Group and Lewis Antigens

Carbohydrate Conjugates

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In addition to a broad selection of standardized glycan products, CD Bioglyco offers tailored glycan synthesis services. Clients can request custom glycans with specific modifications, such as sulfation, phosphorylation, and other complex structural features. Supported by a well-established synthesis platform, CD Bioglyco efficiently produces a variety of complex glycans to meet diverse research needs.

To ensure the quality of its products and the reliability of experimental data, CD Bioglyco utilizes advanced analytical technologies, including mass spectrometry (MS), high-performance liquid chromatography (HPLC), and nuclear magnetic resonance (NMR) spectroscopy, to perform structural confirmation and purity assessment. With a professional team experienced in glycan chemistry and glycobiology, CD Bioglyco provides end-to-end technical support, from glycan synthesis to functional validation.

"The launch of the Hot Glycans resource marks a significant step forward in our commitment to advancing glycoscience," said Anna, a spokesperson for CD Bioglyco. "By integrating product resources, streamlining customized service workflows, and applying state-of-the-art analytical techniques, CD Bioglyco continues to help researchers and development teams worldwide overcome the complexities of glycan research, improve research efficiency, and accelerate the translation of scientific discoveries."

Looking ahead, CD Bioglyco plans to further expand its Hot Glycans catalog, introduce additional disease-related and functional glycans, and enhance its customized service capabilities to better support research and development efforts in life sciences, disease studies, and biopharmaceutical innovation.

For more information, please visit: <https://www.bioglyco.com/hot-glycans.html>.

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