

Innovative Carbohydrates by BOC Sciences Expand Horizons in Science and Health

BOC Sciences adds dozens of glycans to its product portfolio of carbohydrates, aiming to broaden the scope of research across multiple disciplines.

SHIRLEY, NY, UNITED STATES, December 30, 2024 /EINPresswire.com/ -- For a long time, the life science research community neglected carbohydrates owing to their complexities. It's somewhat surprising that scientists only correlated carbohydrates with health and disease in the past couple of decades. Nevertheless, several novel drugs based on isolated or synthetic glycans, or molecules that modify their expression and recognition, are already available on the market.

BOC Sciences' extensive [carbohydrate list](#) and innovative derivatives encompassing disaccharides, glycosides, monosaccharides, oligosaccharides, and polysaccharides, are becoming a vital support for the research boom in related niches. Its renowned custom synthesis services enable the precise tailoring of carbohydrate molecules, offering excellent specificity and function.

Committed to both sustainability and commercialization, BOC Sciences develops eco-friendly, cost-effective, and scalable production methods. Its products are designed to meet and even exceed industry standards, ensuring safety, efficacy, and reliability in practical applications -- from pharmaceuticals and food science to biotechnology and diagnostics.

Complementing these industrial capabilities is significant progress in carbohydrate chemistry, as spotlighted in recent high-impact publications from Nature. Researchers have been exploring methods for stereoselective and regioselective carbohydrate transformations, which are vital for the advancement of drug discovery and material science. The synthesis of large polysaccharides and innovative [glycosylation techniques](#) underscore the potential of carbohydrates in creating new active compounds with potent biological activities.

As more scientists investigate deeper into the possibilities of carbohydrates, they are increasingly relying on trustworthy carbohydrate sources. Many global research institutes have formed strategic initiatives including partnerships with BOC Sciences, mutually advancing the latest scientific insights and translating them into commercially viable products.

BOC Sciences prides itself on being a one-stop platform for carbohydrate manufacturing, synthesis, purification, and characterization. "At BOC Sciences, our focus is on uncovering purer

and more innovative carbohydrate products, empowering researchers to create solutions that drive real-world impact," stated the Project Management Director at BOC Sciences. "We believe that our products can advance the understanding and utilization of carbohydrates, benefiting our clients and the wider scientific community."

For more information about BOC Sciences' carbohydrate inventory and its corresponding applications, visit the website <https://www.bocsci.com/>.

About BOC Sciences

BOC Sciences is a global leader in chemical supply chain solutions, prioritizing innovation and quality across its comprehensive range of products. With hundreds of thousands of products in its portfolio, BOC Sciences aids drug discovery efforts and provides versatile means for lab projects.

Linna Green
BOC Sciences
[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/772726960>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.