

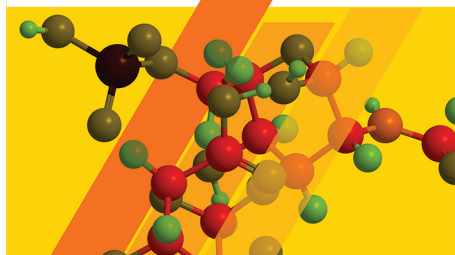
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Recent Advances in Biotechnology

Volume 3

Recent Progress in Glycotherapy



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Recent Advances in Biotechnology Recent Progress in Glycotherapy (Volume 3)

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About the eBook

This volume provides a summary of the progress made in developing therapeutic solutions using glycoengineering techniques. Topics covered in this volume include the development of vaccines and antibodies against tumor-associated carbohydrate antigens for cancer treatment, the use of glycan for viral inhibition, glycoPEGylation, hyaluronic acid conjugation, and protein modification and conjugation for increasing therapeutic index using recombinant and chemoenzymatic approaches.

Contents

- Vaccine and Antibody Therapy Against Thomsen- Friedenreich Tumor-Associated Carbohydrate Antigens
- Cell Surface Glycans as Viral Entry Factors and Targets for Broadly Acting Antivirals
- Carbohydrate PEGylation in Chemotherapy
- Recent Developments in Hyaluronic Acid-Based Nanomedicine
- Utilization of Glycosylation Engineering in the Development of Therapeutic Proteins
- Antibody Engineering through Fc Glycans for Improved Therapeutic Index
- Engineering of Therapeutic Proteins through Hyperglycosylation

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