

(Library ebook) Bioconjugate Techniques

Bioconjugate Techniques

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Greg T. Hermanson : Bioconjugate Techniques before purchasing it in order to gauge whether or not it would be worth my time, and all praised Bioconjugate Techniques:

0 of 0 people found the following review helpful. Everything you need to know about bioconjugation is in this book By Kyle I have used the techniques in this book multiple times for my research. There isn't a better bioconjugation book on the market. 6 of 6 people found the following review helpful. Fantastic, easy to read book By Jayhawk Fan I am always extremely leary of biochemistry and/or bioconjugate books because if you're looking for a specific answer, you're not

going to find it in a book. Instead, you have to bother those with experience and learn from their techniques. HOWEVER, this book is an exception in the highest regard! I was able to easily derive a surface chemistry protocol in around 10 minutes, and it only took me that long because I was fascinated on how direct this book was. Basically here's what you get: 1) Easy to read/decipher information 2) Fantastic Index 3) Quick answers that I couldn't even find on Google Best of all, in my opinion, is that each section is not prefaced with the past history of who/what/where/when/why, which although sometimes interesting, gives you no assistance in the lab. 3 of 12 people found the following review helpful. a good book in bioconjugate chemistry area By A Customer It is hard for a chemistry major student to switch to biochemistry area. When a chem student try to read the big biochemistry textbook, he will be dizzy because of so many reaction equations and biocircles. To his most surprise, those equations are quite different with what he learned in organic lecture. What shall he begin to go into the new world? Read Bioconjugate Technique --- this book will give Refresh you!

Bioconjugate Techniques is the essential guide to the modification and crosslinking of biomolecules for use in research, diagnostics, and therapeutics. It provides highly detailed information on the chemistry, reagent systems, and practical applications for creating labeled or conjugate molecules. It also describes dozens of reactions with details on hundreds of commercially available reagents and the use of these reagents for modifying or crosslinking peptides and proteins, sugars and polysaccharides, nucleic acids and oligonucleotides, lipids, and synthetic polymers. Armed with this information and the abundant protocols provided, readers will form unique complexes that can be used for detecting, quantifying, and targeting important analytes. This book helps readers make: high activity antibody-enzymes conjugates, immunotoxins, immunogen complexes, liposome conjugates; as well as biotinylated molecules, avidin or streptavidin conjugates, colloidal gold labeled proteins, PEG or dextran complexes, labeled oligonucleotide probes, and fluorescently tagged or radiolabeled molecules. This book is the first to thoroughly capture the entire field of bioconjugate chemistry in a single volume Serves as a practical guide to modification and cross-linking technology for research, diagnostics, and therapeutics Provides useful, detailed, easy-to-follow, step-by-step protocols Contains easy-to-read, and easy-to-understand key concepts for making bioconjugates of all types Efficiently covers the chemistry of bioconjugation, the major reagents available for modification and cross-linking, and the application of these reagents to the synthesis of highly active conjugates Cites over more than references keyed to concepts covered in the book Uses more than 600 figures to illustrate bioconjugate reagents, their reactions, and applications Suggests sources for all key reagents

"This is a well-organized and well-written book; it is readable and comprehensible to the novice, but its content and stylistic approach seem sufficiently sophisticated to appeal to active, knowledgeable workers in the field. It is an impressive compilation of useful theoretical and practical information that is not readily available elsewhere in a single volume." --Joseph G. Cannon in JOURNAL OF MEDICINAL CHEMISTRY "The presentation throughout is that of a laboratory manual. Well-illustrated descriptions of a particular chemical reaction are followed by a detailed protocol and list of references extending into 1994. The coverage of reagents and methods is comprehensive, and sources are given for commercially available compounds." --NATURE From the Back Cover Bioconjugate Techniques is the essential guide to the modification and cross-linking of biomolecules for use in research, diagnostics, and therapeutics. It provides detailed information on the chemistry, reagent systems, and practical applications for creating labeled or conjugated molecules. It also describes dozens of reactions with details on hundreds of commercially available reagents and the use of these reagents for modifying or cross-linking peptides and proteins, sugars and polysaccharides, nucleic acids and oligonucleotides, lipids, and synthetic polymers. Armed with this information and the abundant protocols provided, readers can form unique complexes that can be used for detecting, quantifying, and targeting important analytes. This book helps readers make: high-activity antibody-enzyme conjugates, immunotoxins, immunogen complexes, liposome conjugates, as well as biotinylated molecules, avidin or streptavidin conjugates, colloidal gold-labeled proteins, PEG or dextran complexes, labeled oligonucleotide probes, and fluorescently tagged or radiolabeled molecules. Key Features* The first book to capture the entire field of bioconjugate chemistry in a single volume* A practical guide to modification and cross-linking technology for research, diagnostics, and therapeutics* Provides useful, detailed, easy-to-follow, step-by-step protocols* Contains easy-to-read and easy-to-understand key concepts for making bioconjugates of all types* Organized to efficiently cover the chemistry of bioconjugation, the major reagents available for modification and cross-linking, and the application of these reagents to the synthesis of highly active conjugates* Cites more than 1200 references keyed to concepts covered in the book* Uses more than 600 figures to illustrate bioconjugate reagents, their reactions, and applications* Suggests sources for all key reagents