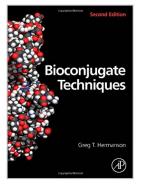
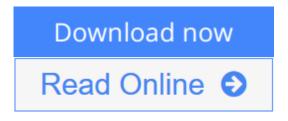
Bioconjugate Techniques, Second Edition



By Greg T. Hermanson



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Bioconjugate Techniques, 2nd Edition, is the essential guide to the modification and cross linking 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 cross linking peptides and proteins, sugars and polysaccharides, nucleic acids and oligonucleotides, lipids, and synthetic polymers.

*A one-stop source for proven methods and protocols for synthesizing bioconjugates in the lab

*Step-by-step presentation makes the book an ideal source for researchers who are less familiar with the synthesis of bioconjugates

*More than 600 figures that visually describe the complex reactions associated with the synthesis of bioconjugates

*Includes entirely new chapters on the latest areas in the field of bioconjugation as follows:

- Microparticles and nanoparticles
- Silane coupling agents
- Dendrimers and dendrons
- Chemoselective ligation
- Quantum dots
- Lanthanide chelates
- Cyanine dyes
- Discrete PEG compounds
- Buckyballs,fullerenes, and carbon nanotubes
- Mass tags and isotope tags
- Bioconjugation in the study of protein interactions

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Bioconjugate Techniques, Second Edition By Greg T. Hermanson Bibliography

- Sales Rank: #1521447 in Books
- Published on: 2008-05-02
- Original language: English
- Number of items: 1
- Dimensions: 1.74" h x 7.51" w x 9.22" l, 4.03 pounds
- Binding: Paperback
- 1323 pages

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