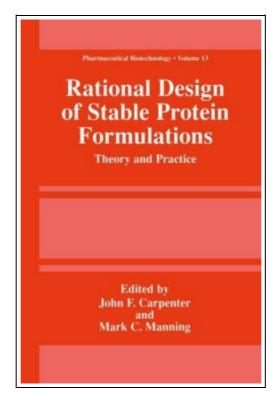
Rational Design of Stable Protein Formulations



Filesize: 7.48 MB

Reviews

The publication is easy in read through better to recognize. It usually will not cost too much. You wont feel monotony at whenever you want of the time (that's what catalogs are for concerning when you question me). (Rebecca Bechtelar)

RATIONAL DESIGN OF STABLE PROTEIN FORMULATIONS



To download **Rational Design of Stable Protein Formulations** PDF, please refer to the link listed below and download the ebook or get access to other information that are in conjuction with RATIONAL DESIGN OF STABLE PROTEIN FORMULATIONS ebook.

Book Condition: New. Publisher/Verlag: Springer, Berlin | Theory and Practice | Recombinant proteins and polypeptides continue to be the most important class of biotechnology-derived agents in today's pharmaceutical industry. Over the past few years, our fundamental understanding of how proteins degrade and how stabilizing agents work has made it possible to approach formulation of protein pharmaceuticals from a much more rational point of view. This book describes the current level of understanding of protein instability and the strategies for stabilizing proteins under a variety of stressful conditions. | 1 Practical Approaches to Protein Formulation Development.- Preparation for Formulation Development.- Resource Requirements for Formulation Development.- Useful Information for Designing Formulations.-Preformulation Development.- Characterization of Protein Pharmaceuticals.- Accelerated Stability Studies.- Development of Analytical Methods.-Evaluation of the Significance of Problems.- Formulation Development.- Formulation Options for Protein Pharmaceuticals.- Typical Protein Stability Problems: Causes and Solutions.- Optimization of Formulation Variables.- Necessary Studies for Formulation Development.- Strategies to Overcome Difficult Formulation Problems.- Formulation in Commercial Product Development.- Critical Formulation Decisions During Pharmaceutical Development.- Formulation for Early Preclinical and Clinical Studies.- Commercial Formulation.- Regulatory Issues in Formulation Development.- Appendix: List of Regulatory Documents.- References.- 2 Recombinant Production of Native Proteins from Escherichia coli.-Distribution of Expressed Proteins.- Cell Washing and Lysis.- Purification of Soluble, Folded Proteins.- Purification and Refolding of Soluble, Misfolded Proteins.- Purification and Refolding of Proteins from Inclusion Bodies.- Washing and Solubilization of Inclusion Bodies.- Purification of Expressed Proteins from Inclusion Bodies.- Refolding Mechanism.- Disulfide Bond Formation.- Removal of Denaturant.- Effects of Tag Sequences.-Effects of Excipients.- Response Surface Methodology.- High Pressure Disaggregation and Refolding.- Methods to Analyze Folded Structures.-Bioactivity.- Binding to Receptors.- Dilsulfide Bond Analysis.- Spectroscopy.- Conformational Stability.- Limited Proteolysis.- References.- 3 Physical Stabilization of Proteins in Aqueous Solution.- Overview of Physical Stability.- Thermodynamic Control of Protein Stability.- Kinetic Control of Protein Stability.- Interactions...



Related eBooks



[PDF] Would It Kill You to Stop Doing That?

Access the hyperlink beneath to download "Would It Kill You to Stop Doing That?" PDF file.

Download Document

>>



[PDF] Violet Rose and the Surprise Party

Access the hyperlink beneath to download "Violet Rose and the Surprise Party" PDF file.

Download Document

..



[PDF] History of the Town of Sutton Massachusetts from 1704 to 1876

Access the hyperlink beneath to download "History of the Town of Sutton Massachusetts from 1704 to 1876" PDF file.

Download Document

.



[PDF] Trace and Write Alphabets and Sentences for Beginning Writers

Access the hyperlink beneath to download "Trace and Write Alphabets and Sentences for Beginning Writers" PDF file.

Download Document

*



[PDF] Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

Access the hyperlink beneath to download "Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities" PDF file.

Download Document

»



[PDF] Genuine book Oriental fertile new version of the famous primary school enrollment program: the intellectual development of pre-school Jiang(Chinese Edition)

Access the hyperlink beneath to download "Genuine book Oriental fertile new version of the famous primary school enrollment program: the intellectual development of pre-school Jiang(Chinese Edition)" PDF file.

Download Document

»