

| | |
|-------------------------|---|
| 1. Record Nr. | UNINA9910457752203321 |
| Titolo | Handbook of analysis of oligonucleotides and related products // edited by Jose V. Bonilla, G. Susan Srivatsa |
| Pubbl/distr/stampa | Boca Raton, Fla. : , : CRC Press, , 2011 |
| ISBN | 0-429-13666-8 1-283-27446-9 9786613274465 1-4398-1994-7 |
| Descrizione fisica | 1 online resource (502 p.) |
| Altri autori (Persone) | BonillaJose V SrivatsaSusan |
| Disciplina | 572.8/5 |
| Soggetti | Oligonucleotides - Analysis Biochemistry Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Front Cover; Contents; Preface; Editors; Contributors; Introduction; Chapter 1: Purity Analysis and Impurities Determination by Reversed-Phase High-Performance Liquid Chromatography; Chapter 2: Purity Analysis and Impurities Determination by AEX-HPLC; Chapter 3: Purity Analysis and Molecular Weight Determination by Size Exclusion HPLC; Chapter 4: Analysis of Oligonucleotides by Liquid Chromatography and Mass Spectrometry; Chapter 6: Tm Analysis of Oligonucleotides; Chapter 7: Purity and Content Analysis of Oligonucleotides by Capillary Gel Electrophoresis Chapter 8: Bioanalysis of Therapeutic Oligonucleotides Using Hybridization-Based Immunoassay TechniquesChapter 9: Oligonucleotide Assay and Potency; Chapter 10: Microbial Analysis : Endotoxin Testing; Chapter 11: Analysis of Residual Solvents by Head Space Gas Chromatography; Chapter 12: Determination of Extinction Coefficient; Chapter 13: Structural Determination by NMR; Chapter 14: Infrared Analysis of Oligonucleotides; Chapter 15: Stability Indicating Methods for Oligonucleotide Products; Chapter 16: Analysis by |

Hydrophilic Interaction Chromatography

Chapter 17: Determination of Base Composition Chapter 19: Regulatory Considerations for the Development of Oligonucleotide Therapeutics; Back Cover

Sommario/riassunto

Oligonucleotides represent one of the most significant pharmaceutical breakthroughs in recent years, showing great promise as diagnostic and therapeutic agents for malignant tumors, cardiovascular disease, diabetes, viral infections, and many other degenerative disorders. The Handbook of Analysis of Oligonucleotides and Related Products is an essential reference manual on the practical application of modern and emerging analytical techniques for the analysis of this unique class of compounds. A strong collaboration among thirty leading analytical scientists from around the
