Record Nr. UNINA9910781746803321 Handbook of analysis of oligonucleotides and related products // **Titolo** edited by Jose V. Bonilla, G. Susan Srivatsa Boca Raton, Fla.:,: CRC Press., 2011 Pubbl/distr/stampa **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** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia 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

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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