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Peptide Nucleic Acids

Methods and Protocols

Second Edition

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Preface

Peptide nucleic acids “celebrated” the 20th anniversary in 2011. Since their discovery the chemistry has been both intensively and extensively explored, and many interesting new derivatives and analogs in terms of nucleic acid recognition specificity and affinity have emerged. Also great ingenuity in exploiting the unique properties of PNAs for a wide variety of applications within drug discovery, medical diagnostics, chemical biology, and nanotechnology has unfolded. In the present volume we have attempted to exemplify and illustrate recent exciting advances in PNA chemistry and applications as a complement to the first edition of this book. Therefore, we hope that it shall serve both as a source of useful specific methods and protocols as well as a source of inspiration for future developments.

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