

Synopsis

A collection of useful molecular techniques to illuminate and explore the interaction of drugs and ligands with DNA. These easily reproducible methods involve sequence recognition properties, as well as the physical approaches for measuring both the strength of interaction and the mode of drug binding to DNA. The interactions are also examined from a cellular perspective and for their usefulness in the design of new therapeutic agents. The powerful techniques detailed here will be particularly useful in elucidating the action of existing therapeutic agents, as well as in the design of new anti-cancer drugs with improved action and reduced toxicity.

Book Information

File Size: 4317 KB

Print Length: 288 pages

Publisher: Humana Press; 1st edition (October 7, 1997)

Publication Date: December 15, 1997

Language: English

ASIN: B001BNT18W

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #3,943,142 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #64

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