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Sommario/riassunto

This book provides a comprehensive examination of recent scientific advancements in cancer treatment, focusing on the development of molecular therapies targeting oncogenic proteins. Authored by E. J. Corey and Yong-Jin Wu, it explores the transformation in cancer therapy over the last 30 years through the introduction of nearly 80 FDA-approved synthetic compounds. These compounds specifically target mutated biomolecules responsible for cancer, differing significantly from older cytotoxic agents. The book discusses the role of protein kinases, a class of enzymes integral to cell growth regulation, in cancer proliferation, and highlights the pivotal scientific research enabling these breakthroughs. It is intended for researchers, medical professionals, and students interested in oncology, molecular biology, and drug development.