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Acyclic, Carbocyclic and L-Nucleosides (Hardback)

By L. Agrofoglio, S. R. Challand

Chapman and Hall, United Kingdom, 1998. Hardback. Condition: New. 1998 ed.. Language: English . Brand New Book ***** Print on Demand *****.Interest in chemical entities capable of blocking or modifying cell metabolism ultimately goes back to the discovery of the structure of DNA in the 1950s. Understanding of the biochemical processes involved in cell metabolism rapidly led to the idea that compounds could be designed which might interfere with these processes, and thus could be used in the treatment of the diseases caused by viral infection. Since then, several classes of drugs have been discovered which depend for their effect on modification of the proper functioning of nucleic acids and, with the introduction of acyclovir for the treatment of Herpes infections, nucleoside analogues have become the cornerstone of antiviral chemotherapy. The success of the early nucleoside agents, the toxicity and metabolic instability of many nucleoside analogues, and the effects of viral pathogens on public health are driving the design, synthesis and evaluation of new nucleoside analogues, with much attention turning to nucleosides containing `non natural sugar analogues. This book focuses on the development of these agents, and draws together all the available material in an easily consulted form, which at..



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