

of this chapter. The bulk of the chapter is devoted to a discussion of the development and design of chemotherapeutic agents. Again, the major drawback to this chapter, for the most part, is a lack of in-depth discussion of many key areas as exemplified by the brief discussion of antitumor agents.

To offset the problems associated with attempts to cover these broad areas in 300 pages, Professor Burger has extensively documented this coverage by citing 1512 references. Most of these are up to 1980, but several key post-1980 references are included. Unfortunately, several errors appear. For example, isoproterenol is described as the *N*-isopropyl homologue of epinephrine possessing "maximal  $\alpha$ -adrenergic properties" (p. 20). Several structures are incorrectly drawn and other seemingly minor, but important, errors occur. For example, chlorisondamine is described as a drug lacking quaternary ammonium groups when, in fact, the opposite is true (p. 33).

Overall, while this project may have been somewhat too ambitious, it does represent another important contribution to the literature of medicinal chemistry by Professor Burger. The book should be of particular interest as background preparation for the organic chemist preparing for a research career in medicinal chemistry.

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## NOTICES

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