

BOOK REVIEW

Dissolution, Bioavailability and Bioequivalence

Hamed M. Abdou

published by mack Publishing Company 1989

534 pages hard cover. Price \$69.95

This volume provides detailed and comprehensive treatment of dissolution testing. It reviews in a lucid and authoratative manner all aspects of dissolution and dissolution testing. The second part of the book deals with the topics of bioavailability and bioequivalence in a somewhat less comprehensive manner.

This book is strongly recommended as a useful reference book for all involved in pharmaceutical formulation and dissolution testing. It may also have some value as a text for some graduate courses although it is probably somewhat too specialized for use as a required text for undergraduate students.

Dissolution and bioequivalence testing are, of course, areas of rapid development. it is thus most unfortunate that for many chapters the references given are all at least six years old. For example chapter six (Effects of Storage

and Packaging on the Dissolution of Drug Formulations) has no reference later than 1981 although there have been notable advances in this area recently. Other chapters do contain a few references to work published as late as 1986 but it is a drawback that the coverage of the literature is not more up to date.

Dr. Abdou gives the reader the benefit of his experience and judgment. For example, I felt that his statement in chapter twenty-eight (Correlation of In Vitro Rate of Dissolution with In Vivo Bioavailability) "unless it is demonstrated experimentally that in vitro dissolution behavior reflects the in vivo performance in humans, the data can be of no relevant value in predicting or passing judgment on the clinical effectiveness of a drug product," sums up very well the feelings of many experts in this area.

This book is recommended for all libraries in Universities and the pharmaceutical industry.

STAFF REVIEW