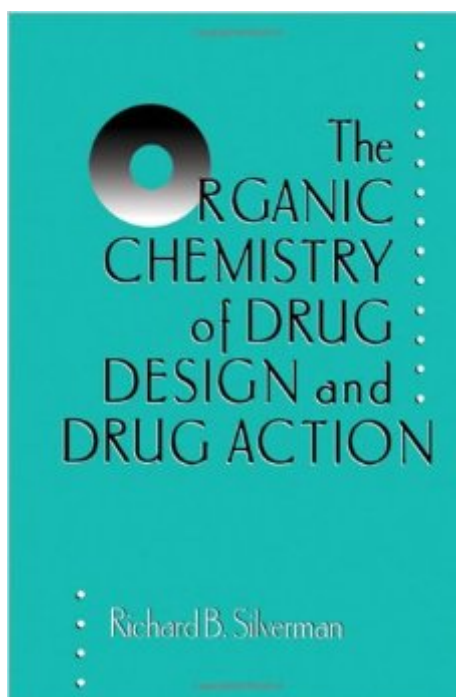


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# The Organic Chemistry Of Drug Design And Drug Action



## Synopsis

This is a new approach to the teaching of medicinal chemistry. The knowledge of the physical organic chemical basis of drug design and drug action allows the reader to extrapolate to the many related classes of drugs described in standard medicinal chemistry texts. Students gain a solid foundation to base future research endeavors upon: drugs not yet developed are thus covered! \*

Emphasizes the use of the principles of physical organic chemistry as a basis for drug design\*

Discusses organic reaction mechanisms of clinically important drugs with mechanistic schemes\*

Uses figures and literature references extensively throughout\* This text is not merely a "compilation of drugs and uses," but features selected drugs as examples of the organic chemical basis for any and all drug design applications

## Book Information

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Average Customer Review: 4.5 out of 5 starsÂ Â See all reviewsÂ (2 customer reviews)

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## Customer Reviews

This book is fantastic and covers a broad range of topics that fall into the category of rational drug design. The book goes in depth into topics dealing with each important aspect of how drugs are discovered and modified to produce better drugs: from effects of chirality to electronic effects. The structure of drugs, at the molecular level are covered in detail, reflecting every major aspect of drug structure. Then, interaction between drug (ligand) and enzyme, at the molecular level are covered. In my estimation, to benefit most from this book, the reader should have a working knowledge of organic chemistry and biochemistry (at least protein secondary and tertiary structure).

There is a new considerably expanded and updated edition available of Silverman's already classic

text as of Jan/04. ISBN is 0-12-643732-7. Check it out... price is comparable to the earlier edition.

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