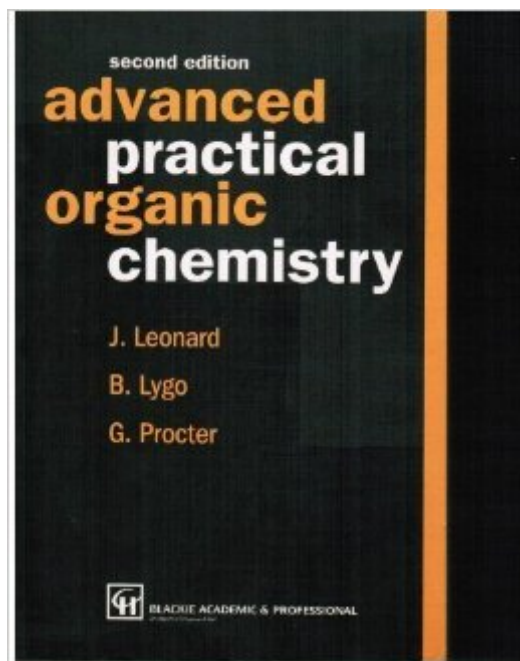


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# Advanced Practical Organic Chemistry



## Synopsis

Any research which uses new organic chemicals or those which are not available commercially will at some time require the synthesis of such compounds. This practical book covers the most up-to-date techniques commonly used in organic synthesis, and updates the first edition. This book should be of interest to: postgraduate industrial and advanced undergraduate organic chemists; biologists, biochemists and genetic engineers; material scientists; polymer researchers; and pharmaceutical, agrochemical and others involved with fine chemicals research and electronics.

## Book Information

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Average Customer Review: 4.6 out of 5 stars [See all reviews](#) (8 customer reviews)

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## Customer Reviews

The book discusses fundamental techniques in organic laboratory. Topics that I found very useful are running the reaction (i.e. air-sensitive and water-sensitive chemistry), monitoring reaction (i.e. thin-layer chromatography), working up reaction (have you wondered why ammonium chloride is a good reagent to work up the reaction? how to efficiently separate layers without emulsions?, etc), purifying compounds (i.e. distillation, recrystallization, determining the sizes of columns, choice of eluting solvents,...) The book should be on the shelf of every chemist.

This is a great book. As a graduate student studying medicinal chemistry, I have run into many situations in the lab that undergrad just did not prepare me for. This book is really helping to bring me up to speed with my techniques. It seems as though most chemistry books are somewhat theoretical and abstract in nature, but "Advanced Practical Organic Chemistry" provides the reader with easy to read (based on the assumption of at least a basic background in organic chemistry)

tutorial and reference for many day-to-day procedures that are encountered in the lab. It was easy enough to read cover to cover in just a couple days, but is also so full of info. that I continue to look back and reference it almost daily. While there are several well-drawn illustrations, if I could want anything more out of this book, it would perhaps be a few more illustrations to go along with the assembly of some of the apparatuses.

As a physical chemist/spectroscopist by training who suddenly found myself needing to synthesize & characterize some model compounds for my experiments, I found this book to be a very helpful review of modern synthetic techniques, particularly in regards to purifying starting materials, dealing with air-sensitive compounds, and monitoring the reaction's progress. Definitely a recommended reference for any chemist. It's companion, "Advanced Practical Inorganic and Metalorganic Chemistry", is also highly recommended, though if I had to choose between the two I'd say that "Advanced Practical Organic Chemistry" is most useful.

This book is a great book to learn about doing synthetic organic chemistry in the laboratory. It touches every area where a synthetic organic chemist may have problem. It's a good book in every respect. As with all books there is room for improvement. Some aspects needs to be more detailed and specific. This will make the book to be the best in market.

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