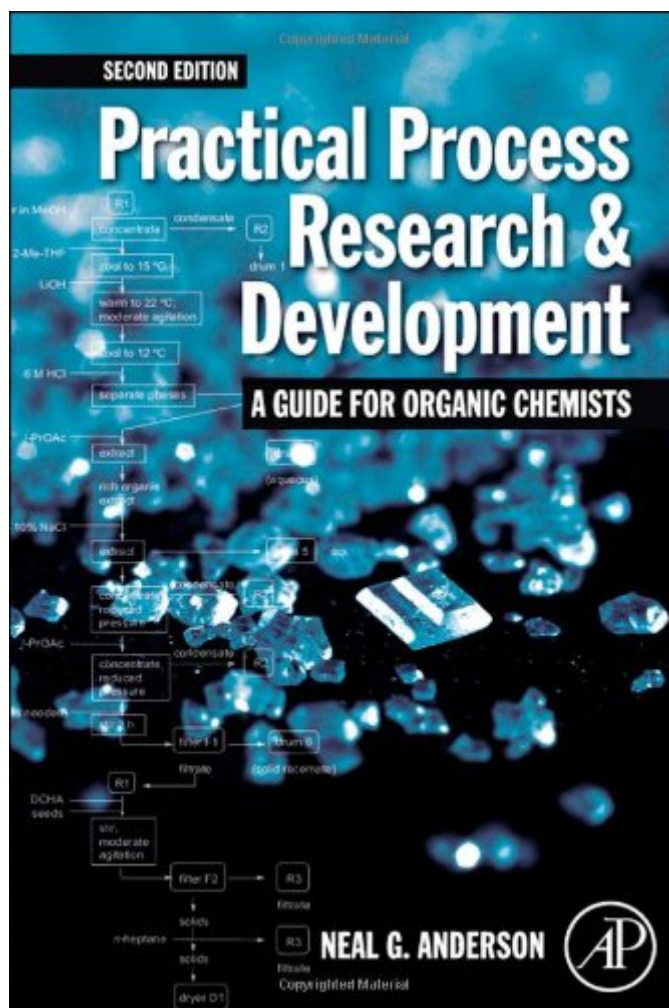


Practical Process Research and Development - A guide for Organic Chemists, Second Edition PDF



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Practical Process Research and Development - A guide for Organic Chemists, Second Edition by Neal G. Anderson ISBN 0123865379

Designed to provide a comprehensive, step-by-step approach to organic process research and development in the pharmaceutical, fine chemical, and agricultural chemical industries, this book describes the steps taken, following synthesis and evaluation, to bring key compounds to market in a cost-effective manner. It describes hands-on, step-by-step, approaches to solving process development problems, including route, reagent, and solvent selection; optimising catalytic reactions; chiral syntheses; and "green chemistry."

Second Edition highlights: • Reflects the current thinking in chemical process R&D for small molecules • Retains similar structure and orientation to the first edition. • Contains approx. 85% new material • Primarily new examples (work-up and prospective considerations for pilot plant and manufacturing scale-up) • Some new/expanded topics (e.g. green chemistry, genotoxins, enzymatic processes) • Replaces the first edition, although the first edition contains useful older examples that readers may refer to

- Provides insights into generating rugged, practical, cost-effective processes for the chemical preparation of "small molecules"
- Breaks down process optimization into route, reagent and solvent selection, development of reaction conditions, workup, crystallizations and more
- Presents guidelines for implementing and troubleshooting processes

Practical Process Research and Development - A guide for Organic Chemists, Second Edition Review

This Practical Process Research and Development - A guide for Organic Chemists, Second Edition book is not really ordinary book, you have it then the world is in your hands. The benefit you get by reading this book is actually information inside this reserve incredible fresh, you will get information which is getting deeper an individual read a lot of information you will get. This kind of Practical Process Research and Development - A guide for Organic Chemists, Second Edition without we recognize teach the one who looking at it become critical in imagining and analyzing. Don't be worry Practical Process Research and Development - A guide for Organic Chemists, Second Edition can bring any time you are and not make your tote space or bookshelves' grow to be full because you can have it inside your lovely laptop even cell phone. This Practical Process Research and Development - A guide for Organic Chemists, Second Edition having great arrangement in word and layout, so you will not really feel uninterested in reading.