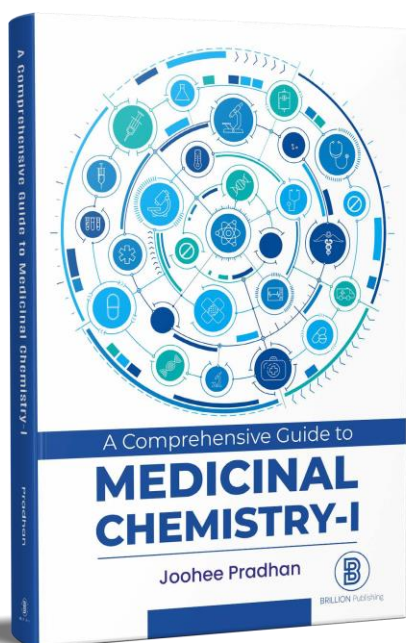




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A Comprehensive Guide to **MEDICINAL CHEMISTRY-I**



ISBN: 978-93-48542-08-3

e-ISBN: 978-93-48542-33-5

Pages: 293

2025

 **Printed Copy**

Paperback ₹ 995/-

This book, A Comprehensive Guide to Medicinal Chemistry-I, is designed to serve as an essential resource for undergraduate students and educators, in pharmaceutical sciences. Structured meticulously in accordance with the Pharmacy Council of India's syllabus for the B. Pharm fourth semester (BP402T), the book provides a coherent exploration of the principles, synthesis, and structure-activity relationships of drugs. The content has been judiciously curated to not only meet academic standards but to also foster critical thinking and application in therapeutic contexts.

Features

- Each chapter is crafted to build the reader's knowledge progressively, beginning with core principles such as physicochemical properties, structure-activity relationships (SAR), and drug metabolism, before advancing to drug classes and synthetic approaches.
- The text highlights the mechanisms of action of various drugs, receptor interactions, and pharmacokinetics, allowing students to understand how chemical structure influences pharmacological effect.
- Comprehensive diagrams, synthetic routes, and well-organized summaries enhance student engagement and retention. Each unit integrates model questions to support learning and exam preparation.

Joohee Pradhan

(Contents)

- Introduction to Medicinal Chemistry
- Physicochemical Properties in Relation to Biological Action
- Drug Metabolism
- Adrenergic Agonists
- Adrenergic Antagonists
- Cholinergic Drugs
- Cholinergic Blocking Agents (Anticholinergic Drugs)
- Sedative & Hypnotics
- Antipsychotic Drugs
- Anticonvulsants
- General Anesthetics
- Narcotic And Non-Narcotic Analgesics

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