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antidepressants; Secondary amines-representatives of tricyclic antidepressants; Monoaminoxidase Inhibitors; Second-Generation Antidepressants (Atypical Antidepressants); Amphetamines and Other CNS Stimulators; Central Nervous System Stimulants; Psychomotor Stimulants; Methylxanthines; Amphetamines, methylphenidate, and pemoline; Respiratory Stimulants or Analeptics; Appetite Suppressants or Anorectics; Antiepileptic Drugs; Hydantoin Derivatives; Barbiturates Succinimides; Valproic Acid; Carbamazepine; Benzodiazepines; Acetazolamide; Oxazolidines; Antiparkinsonian Drugs; Drugs Affecting the Dopaminergic Systems of the Brain; Anticholinergic Drugs (Central Cholinoblockers); Adrenergic (Sympathomimetic) Drugs; Direct-Acting Agonists; Drugs stimulating - and -adrenoreceptors; Drugs stimulating predominantly -adrenoreceptors; Drugs stimulating predominantly -adrenoreceptors; Antiedema sympathomimetics; Indirect-Acting Agonists; Agonists of Mixed Action; Adrenoblocking Drugs; -Adrenoblockers; -Adrenoblockers; Long-lasting noncompetitive antagonists  
Nonselective, reversible competitive adrenoblockers; Reversible, competitive 1-selective adrenoblockers; Ergot alkaloids (alkaloids of ergot); Selective 2-adrenoblockers; Adrenergic Neuron Blockers; Cholinomimetics; Direct-Acting Cholinomimetics; Choline esters; Natural muscarinic alkaloids; Natural nicotinic alkaloids; Indirect-Acting Cholinomimetics; Reversible cholinesterase inhibitors; Carbamates; Quaternary amines; Irreversible cholinesterase inhibitors; Other organophosphorous cholinesterase inhibitors; Anticholinergic Drugs; Antimuscarinic Drugs; Alkaloids; Anticholinergics of the quaternary amine series

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#### Sommario/riassunto

This book represents an effort to express a long overdue need of compiling information which has been accumulated over the course of more than 30 years of our work in the area of the synthesis of medicinal drugs. Our effort fills obvious gaps that exist in the literature of drug synthesis. The synthesis of various groups of drugs are presented in an order similar to that traditionally presented in a pharmacology curriculum. This was done with a very specific goal in mind - to harmonize the chemical aspects with the pharmacology curriculum in a manner useful to chemists.

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