



# The alkaloids.

Brossi, Arnold

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Monografía

The Alkaloids: Chemistry and Pharmacology V23

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**Contenido:** Front Cover; The Alkaloids: Chemistry and Pharmacology; Copyright Page; Contents; Contributors; Preface; Contents of Previous Volumes; Chapter 1. Tropolonic Colchicum Alkaloids; I. Introduction; II. Occurrence in Nature; III. Chemistry of Colchicum Alkaloids; IV. Novel Syntheses of Colchicine; V. Biological Properties of Colchicine Alkaloids; VI. Structure-Activity Relationships; VII. Biosynthesis of Colchicine; Addendum; References; Chapter 2. Maytansinoids; I. Introduction; II. Isolation and Structural Variation; III. Physical Properties; IV. Synthetic Approaches; V. Biological Activity ReferencesChapter 3. Cephalotaxus Alkaloids; I. Introduction; II. Structural Studies on Cephaloaxus Alkaloids; III. Syntheses of Cephalotaxus Alkaloids; IV. Nuclear Magnetic Resonance Spectroscopy and Mass Spectroscopy of Cephalotaxus Alkaloids; V. Pharmacological and Clinical Studies of the Four Natural Esters of Cephalotaxine; VI. Unnatural Cephalotaxine Esters and Their Antitumor Activity; VII. Biosynthesis of Cephalotaxus Alkaloids; Addendum; References Chapter 4. Constituents of Red Pepper Species: Chemistry, Biochemistry, Pharmacology, and Food Science of the Pungent Principle of Capsicum SpeciesI. Introduction; II. Structure, Nomenclature, Chemistry, and Occurrence; III. Analysis of Capsaicin and Analogs; IV. Synthesis of Capsaicin and Analogs; V. Formation and Accumulation in Capsicum Plants; VI. Nutritional, Metabolic, and Pharmacological Studies; VII. Capsaicin and Analogs as Food Constituents; References; Chapter 5. Azufluoranthene and Tropoloisoquinoline Alkaloids; I. Introduction II. Occurrence and Structure of Azufluoranthene AlkaloidsIII. Occurrence and Structure of Tropoloisoquinoline Alkaloids; IV. Syntheses of Azufluoranthene Alkaloids and Related Compounds; V. Synthesis of Tropoloisoquinoline Alkaloids; VI. Biosynthetic Considerations; VII. Pharmacology; Appendix: Proton NMR

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