

The Alkaloids
Chemistry and Biology

Geoffrey A. Cordell

NOTICE TO CONTRIBUTORS

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"THE ALKALOIDS: CHEMISTRY AND BIOLOGY"

INTRODUCTION

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As a new requirement, authors are asked to provide a concise and factual Abstract (maximum length 250 words). The abstract should briefly describe the overall content of the chapter and outline the main discussion. The Abstract will be provided free to readers in the online version of the volume so that the contents of the chapter can be assessed. As such, the Abstract should be comprehensive and readable without reference to the complete article.

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I. INTRODUCTION

A. Isolation

1 Alkaloids from *Skytanthus acutus*

a. *Skytanthine and related alkaloids.*

Only level 1 and 2 headings are included at the beginning of the chapter in the Contents section

I. The First-level Head

Sequentially numbered using Roman numerals, capitals, bold face, and left justified.

A. The Second-level Head

Capitals upper/lower case and left justified.

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- TIFF: Bitmapped line drawings: use a minimum of 1000 dpi.
- TIFF: Combinations bitmapped line/half-tone (color or grayscale): a minimum of 500 dpi is required.
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- Supply files that are optimized for screen use (like GIF, BMP, PICT, WPG); the resolution is too low;
- Supply files that are too low in resolution;
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REFERENCES

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- [8] Shu-Wei Yang, "Biosynthetic Studies of Staurosporine and Metabolism Studies of *Streptomyces staurosporeus*." Ph.D. Thesis, University of Illinois at Chicago, 1997.

[23] G. Blaskó and G.A. Cordell, *in* "The Alkaloids" (A. Brossi and M. Suffness, eds.), Vol. 37, p. 1. Academic Press, San Diego, 1990.

[165] T. M. Kutchan, H. Dittrich, D. Bracher, and M. H. Zenk, *Tetrahedron* **47**, 5945 (1991).

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Abbreviations of titles of journals should conform with "CASSI (Chemical Abstracts Service Source Index," 1907-1974 Cumulative and Supplements (a publication of the Chemical Abstracts Service, American Chemical Society).

<http://www.cas.org/expertise/cascontent/caplus/corejournals.html>

CHAPTER 1

The Monoterpene Alkaloids

Geoffrey A. Cordell*

Contents	I. Introduction
	II. Isolation and Structure Elucidation
	A. Isolation and Structure Elucidation of New Alkaloids
	B. Isolation and Characterization of Known Alkaloids
	C. Physical and Spectral Properties
	III. Synthesis
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	B. <i>In vitro</i> Conversion from Iridoids and Secoiridoids
	IV. Biosynthesis and Biogenesis
	V. Pharmacology
	Summary and Conclusions
	Acknowledgments
	References

I. INTRODUCTION

A. Isolation

1. Alkaloids from *Skytanthus acutus*

a. Skytanthine and Related Alkaloids.

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