Crinum; An Endless Source of Bioactive Principles: A Review, Part II. Crinum Alkaloids: Crinine-Type Alkaloids

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Abstract:

Crinum is a genus of about 130 species belonging to family Amaryllidaceae with wide geographical distribution throughout the tropics, subtropics and warm temperate regions of the world. These plants are not only showy ornamentals but they possess significant folkloric and commercial reputation as well. Long ago, Crinums have been subjected to extensive chemical, cytological and pharmacological investigations. Phytochemical investigations have resulted in isolation of several diverse classes of phytocompounds and have been focused predominantly on alkaloids. The present part of our review work about the phytochemical, biological and toxicological studies on Crinums summarizes crinine-type alkaloids isolated up to now as well as their structural and stereochemical differences, in addition to their distribution in different Crinum species.

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