

CHAPTER 9

Phytochemical and Pharmacological Profile of *Berginia ciliata* (Haw.) Stern

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ABSTRACT

Rapid urbanization and the persistent growth of the global population have exacerbated the threat of diseases, prompting a surge in the commercialization of medicinal plants. Among these, *Berginia ciliata* (Haw.) Stern occupies a significant position within India's traditional medicinal system, renowned for its efficacy in treating kidney stones. Pharmacological investigations have illuminated its diverse therapeutic attributes, encompassing antioxidant, antitussive, anti-inflammatory, antineoplastic, and antiulcer properties. The isolation of secondary metabolites, including phenols and terpenoids, from *B. ciliata*'s rhizomes and leaves further underscores its pharmacological significance. Historical texts have extensively chronicled *B. ciliata*'s utility in addressing a spectrum of health maladies, ranging from arthritis, diabetes, and eye infections to hair loss, diarrhea, cough, and hypertension. These documented uses hold promise, necessitating comprehensive validation, and exploration to unveil the herb's untapped therapeutic potential. In spite of the existing review literature, this chapter aspires to present a comprehensive overview of the most recent

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