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**Review Article**

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## Secondary Metabolites of the Soft Coral *Lobophytum pauciflorum*

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### Abstract

Secondary metabolites, derivatives of primary metabolites, are known for their biological activities. Marine organisms, especially marine invertebrates such as sponges, tunicates, soft corals, bryozoans, and nudibranchs are important source of secondary metabolites with diverse biological properties. Approximately 40,000 marine natural products have been identified from various marine resources. Soft corals are a group of invertebrates known for their production of a vast range of metabolites with great structural diversity. Among 39 genera of soft coral Alcyonacean, a total of eighteen different species of *Lobophytum* soft corals have been identified. Isolation of secondary metabolites from the genus *Lobophytum* is tremendously explored by researchers worldwide. This review compiles several secondary metabolites that have been isolated and published on the soft coral *L. pauciflorum*, including the compound structures and some notable bioactivity.

**Keywords:** *Lobophytum pauciflorum*, soft coral, secondary metabolite, biological activity

### Introduction

The ocean constitutes a rich source of biologically and genetically diverse marine organisms, as a result of harsh chemical and physical marine environments, such as cold temperature, high pressure, and dark conditions of the ocean (Nikapitiya, 2012). Secondary metabolites are metabolic products

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