OFV-10

Computational Network Pharmacology-Driven Evaluation of *Eladhi Choornam* for Multi-Target Therapeutics

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Eladhi Choornam, a Siddha polyherbal formulation, has been traditionally used for a wide range of health conditions, yet its therapeutic potential remains underexplored through modern scientific methods. The present study seeks to evaluate the pharmacological relevance of Eladhi Choornam using an integrated computational approach encompassing drug-likeness assessment, target prediction, network pharmacology, and in silico validation. The investigation focuses on multiple therapeutic domains, including metabolic and systemic health, nervous system and mood regulation, immune modulation and anti-infective potential, cancer and cell survival, musculoskeletal and joint health, respiratory wellness, and skin and wound healing. Preliminary computational analyses highlight the possibility that the bioactive constituents of Eladhi Choornam act in a multi-targeted manner, supporting its traditional role as a holistic medicine. By systematically connecting bioactive compounds with predicted targets and biological processes, this study provides a foundation for understanding the systemic therapeutic effects of Eladhi Choornam and offers a conceptual bridge between ancient Siddha formulations and contemporary biomedical research. The outcomes aim to guide further mechanistic studies and rational drug discovery from this traditional polyherbal formulation.

Keywords: ADMET (Absorption, Distribution, Metabolism, Excretion, Toxicity) analysis, Network pharmacology, Systems pharmacology, Target prediction

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