

Ginseng Extract- Enriched Topical Gel : Design , Characterization and Efficacy in Preventing Epidermoid Carcinoma

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Abstract: *Background: The aim of the present study is to formulate and characterize a Ginseng Extract-loaded topical gel using Carbopol-940 for the treatment of epidermoid carcinoma. The optimized herbal gel formulations were assessed for homogeneity, appearance, pH, viscosity, extrudability, spreadability.*

Results: Formulations F1 to F5 exhibited excellent homogeneity, with pH values ranging from 6.62 to 6.94. Spreadability was observed between 15.70 and 24.37 gm.cm/s, and extrudability ranged from 85.51% to 90.45% w/w.

Conclusion: Topical delivery of Ginseng Extract-Enriched Topical Gel alleviates the side effects caused by systemic chemotherapy; hence, the developed herbal gel formulation can be effectively useful to deliver Ginseng Extract-Enriched Topical Gel in the treatment of epidermoid carcinoma..

Keywords: Skin cancer, Ginseng, Diffusion, gel, Drug content