



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 12.05.2024

To

The Regional Head,
The Madras Pharmaceutical,
Chennai,
Tamil Nadu.

Dear Sir/Madam,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Formulation of Multifunctional Water Purification Tablets*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.Deepabharathi AP / SSIP

Thanking You ,



PRINCIPAL
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SS INSTITUTE OF PHARMACY.
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301
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Email: helpdesk@madraspharma.com



To

Mrs. Deepabharathi,
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

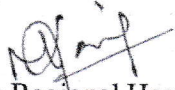
Dear Sir,

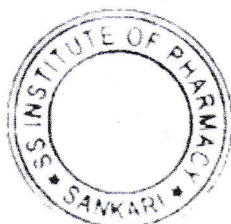
Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

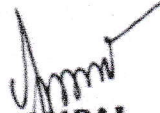
We are pleased to inform you that the proposal submitted for the project titled "Formulation of Multifunctional Water Purification Tablets " has been approved by our organization for possible funding of Rs. 1,20,000 as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Formulation of Multifunctional Water Purification Tablets	MrsDeepabharathi	2 Years

Thanking you,


The Regional Head,
The Madras Pharmaceutical, Chennai




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ABSTRACT

Formulation of Multifunctional Water Purification Tablets

This research focuses on the formulation and evaluation of a fast-dissolving oral thin film of Atorvastatin Calcium, a widely prescribed lipid-lowering agent used in the management of hyperlipidemia and cardiovascular diseases. The goal of this project is to develop an innovative oral thin film that dissolves rapidly in the mouth, offering a convenient and patient-friendly alternative to conventional tablets. The oral thin film is particularly beneficial for patients who have difficulty swallowing pills or require a rapid onset of action. The formulation process involves selecting suitable film-forming polymers such as hydroxypropyl methylcellulose (HPMC) and polyvinyl alcohol (PVA) to ensure that the film has the desired mechanical strength, flexibility, and dissolution properties. The films are prepared using the solvent casting method, and various excipients like plasticizers, sweeteners, and flavoring agents are incorporated to enhance patient compliance. The prepared films are evaluated for thickness, uniformity, tensile strength, disintegration time, and drug release profile. In vitro dissolution studies are conducted to assess the rate of drug release from the thin film, and the results are compared with conventional oral dosage forms. The aim is to demonstrate that the fast-dissolving oral thin film provides a quicker onset of action and improved bioavailability, making it an effective and user-friendly dosage form for Atorvastatin Calcium.




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