



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 : 05.12.2021

To

Ms. Anjali Sharma,
CEO,
Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.

Dear Madam,

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

his 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 Fast Dissolving Oral Thin Film of Atorvastatin Calcium*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mr.S. Pravin Kumar, AP / SSIP

Thanking You



PRINCIPAL
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SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

Address: 57, SIPCOT Industrial Complex, Hosur-635 126, India.

CIN: U73100DL1980PTC011137

REG NO: 11137

Contact No: +91-4344-276 071

Email: hosur.admin@sterling.com



To

Mrs. S.Pravin Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.


Dear Sir,

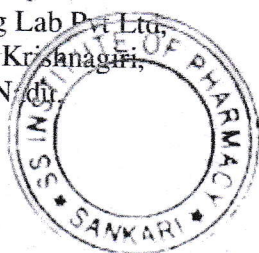
Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

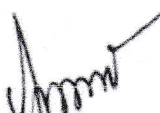
We are pleased to inform you that the proposal submitted for the project titled "*Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium*" of Rs. 1,00,000/- (One lakh) as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

| Project title | Principal Investigator | Project duration |
|---|------------------------|------------------|
| Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium | Mr. S.Pravin Kumar | 1 year |

Thanking you,


Sterling Lab Pvt. Ltd.
Hosur, Krishnagiri,
Tamil Nadu




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ABSTRACT

Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium

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.



[Signature]
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