



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 : 16.07.2021

To

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
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 "*Enhancement of Aceclofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carriers*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mr. T. Sampath Kumar, AP / SSIP

Thanking You ,




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

Address: NO.261/127 1st Floor, Rohit Tower, Angappa
Naicken St, Parry's Corner, Chennai, Tamil Nadu
CIN: U24239AP1981PTC003079
Telephone: +91 866 4609214
Email: info@imispharma.com



To

Mr. Sampath Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

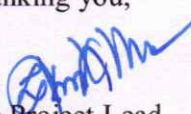
Dear Sir,

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 "Enhancement of Acelofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carrier" has been approved by our organization for possible funding of Rs. 1,30,000/-, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Enhancement of Acelofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carrier	Mr.T.Sampath Kumar	1.5 Years

Thanking you,


The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,




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ABSTRACT

Enhancement of Aceclofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carrier

research focuses on enhancing the dissolution rate of Aceclofenac, a non-steroidal anti-inflammatory drug (NSAID), through the use of solid dispersion techniques. Aceclofenac is widely used for its anti-inflammatory and analgesic properties, but its poor aqueous solubility limits its bioavailability and therapeutic efficacy. The objective of this study is to improve the dissolution rate and bioavailability of Aceclofenac by employing different carriers in the formulation of solid dispersions. The carriers explored include hydrophilic polymers such as polyethylene glycol (PEG), polyvinylpyrrolidone (PVP), and hydroxypropyl methylcellulose (HPMC), which enhance the solubility of the drug by forming a molecular dispersion. The solid dispersions are prepared using the solvent evaporation method, and the resulting formulations are characterized for their physical properties, drug content, and dissolution rate. In vitro dissolution studies are conducted to compare the release profile of Aceclofenac from the solid dispersion with that of the pure drug and conventional formulations. The expected outcome is a significant enhancement in the dissolution rate, leading to improved bioavailability and faster onset of therapeutic action. This research contributes to the development of more effective and efficient drug delivery systems for poorly soluble drugs like Aceclofenac.




PRINCIPAL.
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Date : 23.09.2021

To

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad,
Telangana.

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 Phytosomes Loaded with Alcoholic Extract of Cardiospermumhalicacabum–Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery" In association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Dr.C. Jothimanivannan/ Principal SSIP

Thanking You ,




PRINCIPAL.
SS INSTITUTE OF PHARMACY,
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SALEM - 637301

Address: Plot No. 18/1, Sector-III, HUDA Techno Enclave,
HITEC City, Hyderabad, Telangana 500081
CIN NO: U24239TG1997PTC026151
REG NO: 026151
Contact: 04027007049
Email: info@pulsepharma.net



To

Dr. C.Jothimanivannan,
SS Institute of Pharmacy,
Sankari, Salem.

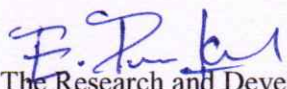
Dear Sir

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 Phytosomes Loaded with Alcoholic Extract of Cardiospermumhalicacabum–Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery" has been approved by our organization for possible funding of Rs. 1,75,000 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 Phytosomes Loaded with Alcoholic Extract of Cardiospermumhalicacabum– Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery	Dr.C Jothimanivannan	2 Years

Thanking you,


The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad




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ABSTRACT

Formulation of Phytosomes Loaded with Alcoholic Extract of Cardiospermumhalicacabum–Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery

This research focuses on the formulation of phytosomes loaded with the alcoholic extract of cardiospermumhalicacabum, commonly known as balloon vine, combined with a soya lecithin phospholipid complex to enhance drug delivery. Phytosomes are a novel drug delivery system that improves the bioavailability of plant-based compounds by forming a complex with phospholipids, thereby enhancing their absorption and therapeutic efficacy. Cardiospermumhalicacabum is known for its anti-inflammatory and analgesic properties, making it a promising candidate for use in pain relief and inflammatory disorders. The formulation involves extracting the active phytoconstituents from cardiospermumhalicacabum and complexing them with soya lecithin to form phytosomes, which are then incorporated into a suitable dosage form. The phytosome formulation is evaluated for its particle size, zeta potential, and encapsulation efficiency, as well as its stability and in vitro release profile. The goal of this study is to demonstrate that the phytosome complex can improve the solubility, absorption, and bioavailability of the herbal extract, leading to enhanced therapeutic outcomes. This research provides a foundation for developing more effective plant-based drugs that can be used in modern medicine.



[Signature]
**PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
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NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India
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and The Directorate of Medical Education, Chennai.

Date : 05.12.2021

To

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

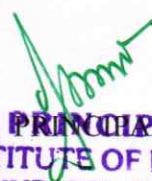
Dear Madam,

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.
SS INSTITUTE OF PHARMACY,
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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.

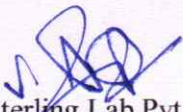
Dear Sir,

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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and The Directorate of Medical Education, Chennai.

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.




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and The Directorate of Medical Education, Chennai.

Date : 09.01.2022

To

Managing Director,
Biomicon Pharma India,
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 "*Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.K. Sowndharya, AP / SSIP

Thanking You ,




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

Address: OLD NO. 18, NEW NO. 32 DR. AMBEDKAR ROAD,
KODAMBAKKAM , CHENNAI, Tamil Nadu, India - 600024.
CIN NO: U52100TN2012PTC086554
REG NO: 86554
Contact: 04423652388
Email: biomicron@gmail.com

Biomicron
Pharma India Pvt.Ltd.

To

Mrs.K.Sowndharya
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 "Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms" has been approved by our organization for possible funding of Rs. 1,00,000, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms	Mrs.K.Sowndharya	1.5 Years

Thanking you,



Managing Director,
Biomicron Pharma India,
Chennai,




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SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms

This research focuses on the development and validation of a robust high-performance liquid chromatography (HPLC) method for the quantitative determination of Nicorandil in oral solid dosage forms. Nicorandil is a potassium channel opener used in the treatment of angina, and accurate quantification is critical for ensuring its therapeutic efficacy and safety in tablet formulations. The objective of this study is to establish a precise, sensitive, and reproducible analytical method that complies with ICH (International Council for Harmonisation) guidelines for method validation. The HPLC method will be developed using a suitable mobile phase, column, and detection wavelength to achieve optimal separation and resolution. Key validation parameters, such as linearity, accuracy, precision, specificity, and limit of detection (LOD) and limit of quantification (LOQ), will be evaluated. The method will be applied to analyze the Nicorandil content in marketed tablet formulations and in-house formulations to verify its reliability and consistency. This validated method will ensure the quality control of Nicorandil-containing dosage forms, thereby contributing to the pharmaceutical industry's goal of delivering safe and effective medications to patients.




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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 14.04.2022

To

Mr . Abdul Lathiff,
The Managing Director ,
Arbor pharmaceuticals ,
Trichy.

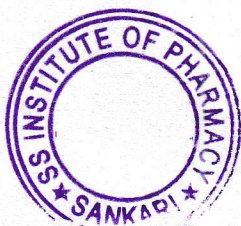
Dear Sir,

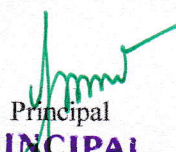
Sub: Request financial support and guidance for R&D work in Funded Project-Reg

This letter is to bring to your kind notice that we (SS Institute of pharmacy , Salem) are involving our staffs and students in the Research-oriented activities. In this regard, we request you to grant the permission to do the consultancy related project in the title "Biodegradable spoon with digestive benefits: A papain – Infused innovation " associated with your organization. So that, it will enrich our knowledge and develop innovative ideas of social relevance.

Investigator: Mr .T. Sampath kumar , AP / SSIP

Thanking You ,




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

Address : 7A, ANANDHA NAGAR, CHERAN SA
CIN : U24110TN2013PTC091977
REG NO : 91977
PH No: 9788994167
Email : capanneerselvam@gmail.com



To

Mr .T. Sampath kumar ,
Assistant Professor ,
SS Institute of pharmacy ,
Sankari. Salem .

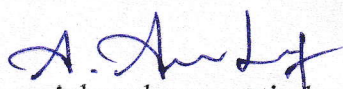
Dear sir ,

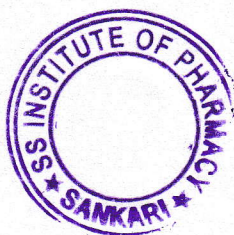
Subject : Acceptance and provision of financial assistants for funded project – Reg.

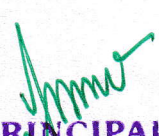
We are happy to intimate that the proposal submitted on project work titled '*Biodegradable spoon with digestive benefits : A papain – Infused innovation ' has been approved by our organization for possible funding of Rs. 1,03,000 / -(one lakh three thousand) as the project seems to be innovative. We request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Biodegradable spoon with digestive benefits : A papain – Infused innovation	Mr .T. Sampath kumar , AP / SSIP	1 years

Thanking you,


Arbor pharmaceuticals ,
Trichy.




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and The Directorate of Medical Education, Chennai.

ABSTRACT

A Papain-Infused Innovation

This project aims to develop an eco-friendly biodegradable eating utensil with added health benefits by incorporating papain, a digestive enzyme derived from papaya. The research focuses on formulating the spoon using a blend of wheat flour and potato starch, materials known for their biodegradability. The inclusion of papain seeks to aid digestion by breaking down proteins when used in everyday dining. The study emphasizes the environmental impact of reducing plastic waste while promoting digestive health benefits. A key part of the research involves optimizing the mechanical strength and stability of the spoon, ensuring it can handle regular food consumption without losing its structural integrity. Various analytical methods such as tensile strength testing, biodegradability assays, and enzyme activity measurements will be employed to evaluate the spoon's performance. Market analysis will also be conducted to assess consumer interest in a functional, eco-friendly utensil. The results of this study aim to provide an innovative solution for reducing plastic waste while simultaneously promoting health, contributing to sustainability and wellness. This biodegradable spoon presents a practical approach to reducing the environmental footprint of disposable utensils while providing additional health benefits to users.



[Signature]
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SALEM - 637301