

**SYNTHESIS AND CHARACTERIZATION OF 3 $\beta$ -(4-  
CHLOROBUTOXYL)-17-(PYRIDINE-3-YL)ANDROSTA-5-16-  
DIENE(O-(4-CHLOROBUTYL) ABIRATERONE**

*SUBMITTED By*

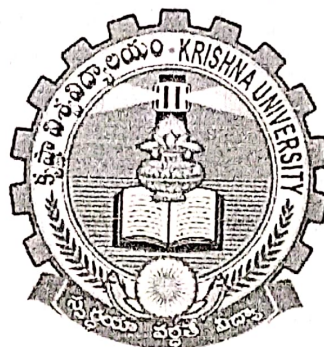
**VALLABHANENI SIVA PRASAD**

(Y18OCH102028)

*Under the Supervision of*

**Dr. V. Sreeram, M.Sc, M.Phil, Ph.D.**

**DEPARTMENT OF CHEMISTRY (P.G)  
A.G & S.G. Siddhartha Degree College, Vuyyuru**



**THE DISSERTATION SUBMITTED TO  
KRISHNA UNIVERSITY, MACHILIPATNAM  
IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR  
THE DEGREE OF MASTER OF SCIENCE**

**MAY- 2020**



**Adusumilli Gopalakrishnaiah & Sugarcane Growers Siddhartha**  
Degree College of Arts & Science, Vuyyuru-521165, Krishna Dt., A.P.  
**AUTONOMOUS COLLEGE** (Aided College of Govt. of Andhra Pradesh)  
NAAC Grade : A grade, by NAAC, Bangalore  
(Managed by : Siddhartha Academy of General & Technical Education, Vijayawada)  
[Regd. No.45 of 1975]


**N. Venkateswarlu**  
President

Ph.No.: 08676-233267; FAX No.08676-233830  
www.agsgsc.edu.in  
agsgsiddhartha@gmail.com

**P. Lakshmana Rao**  
Secretary & Correspondent  
**S. Venkateswara Rao**  
Treasurer

## **CERTIFICATE**

This is to certify that the work incorporated in this M.Sc dissertation entitled  
**“SYNTHESIS AND CHARACTERIZATION OF 3β-(4-  
CHLOROBUTOXYL)-17-(PYRIDINE-3-YL)ANDROSTA-5-16-  
DIENE(O-(4-CHLOROBUTYL) ABIRATERONE”** is a bonafied project  
work, carried out by of **Mr. VALLABHANENI SIVA PRASAD (Y18OCH102028)**,  
M.Sc(Organic Chemistry) Student, registered with **“Krishna University”** under  
my supervision.

  
**Dr. V. Sreeram**  
Project Guide,  
Head,

**PG Department of Chemistry**

**Dr. V. SREERAM**  
**HEAD**

**Assistant Professor**  
**Dept. of Chemistry (P.G)**

**A.G & S.G. Siddhartha Degree College**  
**VUYYURU-521 165, (Autonomous)**  
Email: sreeramvenigalla2008@gmail.com

**EXTERNAL EXAMINER**



Laurus Labs Limited  
Plot No. 19, 20 & 21, Western Sector, APSEZ, Atchutapuram,  
Visakhapatnam - 531011, Andhra Pradesh, India.  
T +91 891 3072 100, 6762 100  
F +91 891 3072 102, 6762 102



Date: 21.03.2020

**TO WHOM SOEVER IT MAY CONCERN**

This is to certify that Mr. Vallabhaneni Siva Prasad  
Roll No: Y18OCH102028, M.Sc., (4<sup>th</sup> Semester) student of AG & SGS  
College, Vuyyuru has completed his Project work in our Quality Control  
Department at Laurus Labs Limited, Plot No: 19, 20 & 21 APSEZ, Western  
Sector, Atchutapuram Visakhapatnam District during the period from  
16.12.2019 to 21.03.2020.

His character and conduct were found satisfactory.

**For Laurus Labs Limited**

**Meher Kumar K**  
**Deputy.General Manager - HR**

Registered Office: Plot No 21, Jawaharal Nehru, Pharma City, Parawada, Visakhapatnam - 531021, Andhra Pradesh, India. CIN: L24239AN2005PLC047500  
T: +91 891 660 1222, 306 1222. F: +91 891 660 1270, 306 1270. E: info@lauruslabs.com W: lauruslabs.com

**LAURUS Generics**  
Solid Pharmaceutical Products & Formulations

**LAURUS Generics**  
Fine Bulk Active Drugs

**LAURUS**  
Custom Development & Manufacturing Services

**LAURUS**  
Specialty Generics for Subspecialty & Specialty

## DECLARATION

I hereby declare that the original project work embodied in this dissertation entitled "SYNTHESIS AND CHARACTERIZATION OF  $3\beta$ -(4-CHLOROBUTOXYL)-17-(PYRIDINE-3-YL)ANDROSTA-5-16-DIENE(O-(4-CHLOROBUTYL) ABIRATERONE" submitted to "Krishna University" for the award of degree of Master of Science (M.Sc) in the Chemistry of the faculty of Organic Chemistry is the outcome of investigations carried out by me under the supervision of **Dr.V.Sreeram, Head, PG Department of Chemistry**. I declare that the work incorporated is original and due acknowledgment has been made where ever it is not so. The same has not been submitted elsewhere for any degree or diploma.

I also declare that I myself solely responsible for the genuineness of the findings/observations pertaining to these study in order to complete this dissertation.

Place: Vuyyuru

Date:

  
V. Siva Prasad  
VALLABHANENI SIVA PRASAD

(Y18OCH102028)