



UNIVERSITY OF MYSORE

CERTIFICATE

This is to certify that the dissertation entitled “Preparation of *rac*-diethyl 2-(1-cyano-3-methylbutyl)malonate a key starting material for pregabalin and preparation of 2-propylpropane-1,3-diol” is the bonafide work submitted by Jeevan D N bearing Roll no. P01ZZ21S0646 for the partial fulfilment of award of Master’s degree in M.Sc. Organic Chemistry during the period from 03-May-2023 to 24-July-2023.

Date: 17/10/2023

Place: Mysuru

*K. Mantelingu*  
Prof. K. MANTELINGU M.Sc., Ph.D  
DOS in Chemistry,

Manasagangotri,  
Prof. K. Mantelingu M.Sc., Ph.D.,  
University of Mysore  
DOS in Chemistry, University of Mysore,  
Manasagangotri, Mysuru-570006, INDIA



### Certificate of External Guide

This is to certify that the dissertation entitled "**Preparation of *rac*-diethyl 2-(1-cyano-3-methylbutyl)malonate, a key starting material for pregabalin and Preparation of 2-propylpropane-1,3-diol**" submitted by JEEVAN D N Reg No.: P01ZZ21S0646 to Manasagangotri, University of Mysore, Mysuru, Karnataka, for the Master degree in Organic Chemistry is his original work, based on the results of the experiments and investigations carried out independently by him during the period 03-May-2023 to 24-July-2023 of study under my guidance at CSIR-IICT, Hyderabad.

This is also to certify that the above said work has not previously submitted for the award of any degree, diploma and fellowship in any Indian or Foreign University.

**Dr. T. Kumaraguru**  
Scientist, OSPC  
CSIR-IICT

**Dr. T. KUMARAGURU**  
Scientist

Department of Organic Synthesis & Process Chemistry  
CSIR-Indian Institute of Chemical Technology  
(Ministry of Science and Technology, Govt. of India)  
Tarnaka, Hyderabad-500 007, Telangana, India.

Place: HYDERABAD

Date: 24/07/2023