



Department of Chemistry
Centre of Advanced Studies in Chemistry
& DST-FIST sponsored Department
Faculty of Science, Vadodara 390 002 India
Tel: +91-265-2795552

The Maharaja Sayajirao University of Baroda

CHL/ /

Date:

CERTIFICATE

This is to certify that the thesis entitled "**Design, Synthesis, and Biological Evaluation of Novel Bruton's Tyrosine Kinase (BTK) Inhibitors,**" submitted by **Joshi Darshankumar Ashvinbhai** to the Maharaja Sayajirao University of Baroda, Vadodara, for the award of the degree of **Doctor of Philosophy in Chemistry**, is a bonafide record of the research work carried out by him under our supervision and guidance at Zydus Research Centre, Ahmedabad. The results embodied in this thesis have not been submitted to any other university or institute for the award of a degree or diploma.

(Prof. Shubhangi S. Soman)
Research Guide
Department of Chemistry

(Dr. Rajesh H. Bahekar)
Research Co-Guide
Zydus Research Centre

(Prof. Ashutosh V Bedekar)
Offg. Head
Department of Chemistry

Prof. Shubhangi S. Soman
e-mail:
shubhangiss@rediffmail.com
(M) 09427444448



Department of Chemistry
Centre of Advanced Studies in Chemistry
& DST-FIST sponsored Department
Faculty of Science, Vadodara 390 002 India
Tel: +91-265-2795552

The Maharaja Sayajirao University of Baroda

CERTIFICATE

This is to certify that **Joshi Darshankumar Ashvinbhai** (Reg No. FOS/2073, date 27/12/2017) has published one research paper in the Bioorganic Chemistry journal during his Ph.D. work.

1. Bioorganic Chemistry, 2023, 130, 106238.

"Design, synthesis and biological evaluation of novel pyrazolo-pyrimidin-amines as potent and selective BTK inhibitors"

Darshan Joshi, Rajesh Bahekar, Shubhangi Soman, Pradip Jadav, Dipam Patel, Amitgiri Goswami, Jignesh Pethani, Jeevan Kumar, Jitendra Patel, Rajesh Sundar, Poonamgiri Goswami, Krishnarup Goshdastidar, Hoshang Patel, Ankit Patel, Debducta Bandyopadhyay, Abhijit Chattarjee, Manoranjan Sharma, Mukul Jain, Ranjit Desai.

(Prof. Shubhangi S. Soman)
Research Guide
Department of Chemistry

(Dr. Rajesh H. Bahekar)
Research Co-Guide
Zydus Research Centre

Prof. Shubhangi S. Soman
e-mail:
shubhangiss@rediffmail.com
(M) 09427444448



Department of Chemistry
Centre of Advanced Studies in Chemistry
& DST-FIST sponsored Department
Faculty of Science, Vadodara 390 002 India
Tel: +91-265-2795552

The Maharaja Sayajirao University of Baroda

CERTIFICATE

This is to certify that **Joshi Darshankumar Ashvinbhai** (Reg No. FOS/2073, date 27/12/2017) has presented two research posters in a conference during his Ph.D. work.

List of Posters

- 1. Darshan Joshi**, Shubhangi Soman, Rajesh Bahekar, Dipam Patel, Pradip Jadav, Jeeven Kumar, Poonamgiri Goswami, Abhijit Chatterjee, Jogeshwar Mohapatra, Krishnarup Ghoshdastidar, Debdutta Bandyopadhyay, Mukul Jain, Ranjit Desai. Discovery of novel 1-(octahydrocyclopentapyrrol-5-yl)-1H-Pyrazolo[3,4-d]Pyrimidine-4 -amine derivatives as potent Bruton's Tyrosine Kinase (BTK) inhibitors for the treatment of Cancer. Poster presented in the National Seminar on Advances in Chemistry of Bioactive Molecules (ACBAM-2020) at the Maharaja Sayajirao University of Baroda, Vadodara, on Jan 17-18, 2020.
- 2. Darshan Joshi**, Rajesh Bahekar, Shubhangi Soman, Dipam Patel, Pradip Jadav, Amitgiri Goswami, Jeeven Kumar, Sachchidanand S, Poonamgiri Goswami, Abhijit Chatterjee, Krishnarup Goshdastidar, Ankit Patel, Debdutta Bandyopadhyay, Mukul Jain, Ranjit Desai. Synthesis of novel 4-Amino-Pyrazolo[3,4-d]Pyrimidine-3-Carboxamide derivatives as Bruton's Tyrosine Kinase (BTK) inhibitor for the treatment of Cancer. Poster presented in the 9th RBF international symposium, Advances in New Drug Discovery and Development, at Zydus Corporate Park, Ahmedabad, on February 6–8, 2020.

(Prof. Shubhangi S. Soman)
Research Guide
Department of Chemistry

(Dr. Rajesh H. Bahekar)
Research Co-Guide
Zydus Research Centre