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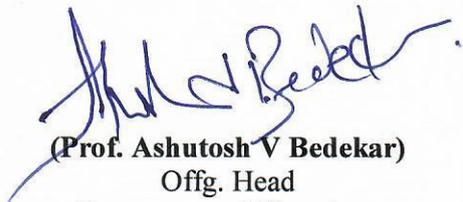
Date: 13/12/2021.

CERTIFICATE

This is to certify that the thesis entitled “**Design, Synthesis and Biological Evaluation of Novel PI3K δ Inhibitors for the Treatment of Leukemia and Inflammatory Diseases**” submitted by **Dave Bhushan Naresh** to the Maharaja Sayajirao University of Baroda, Vadodara, for the award of the degree of **Doctor of Philosophy in Chemistry**, is a bona fide record of the research work carried out by him under our supervision and guidance at Zydus Research Center, Ahmedabad. The results embodied in this thesis have not been submitted to any other university or institute for the award of degree or diploma.


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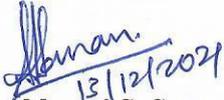
CERTIFICATE

This is to certify that **Dave Bhushan Naresh** (Reg No, FOS/1997, date 03/05/2016) has published one research paper in Bioorganic & Medicinal Chemistry Letters journal during his Ph.D. work.

1. Bioorganic & Medicinal Chemistry Letters 29 (2019) 1313–1319

"Discovery of 1,3-dihydro-2H-imidazo[4,5-c]quinolin-2-ones based novel, potent and PI3K δ selective inhibitors "

Bhushan Dave, Rajesh Bahekar, Shubhangi Soman, Dipam Patel, Rajendra Chopade, Radhika Funde, Jeevan Kumar, S. Sachchidanand, Poonam Giri, Abhijit Chatterjee, Jogeswar Mahapatra, Purvi Vyas, Krishnarup Ghoshdastidar, Debdutta Bandyopadhyay, Ranjit C. Desai.


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This is to certify that **Dave Bhushan Naresh** (Reg No, FOS/1997, date 03/05/2016) has presented three research posters in conference during his Ph.D. work.

List of Posters

- 1. Bhushan Dave**, Rajendra Chopade, Dipam Patel, Jignesh Pethani, Hardik shah, Amitgiri Goswami, Abhijit Chatterjee, Purvi Vyas, Debdutta Bandyopadhyay, Jeevan Kumar, Mukul Jain, Rajesh Bahekar, Ranjit Desai, Shubhangi Soman. Design and Synthesis of Benzofuran based pyrazolo [3,4-d]pyrimidinamine derivatives as potent and selective PI3K δ Inhibitor. Poster presented in 8th RBF international Symposium, Advances in New Drug Discovery Technologies and Translational Research at Zydus Research Centre, Ahmedabad on Feb 2-4, 2017.
- 2. Bhushan Dave**, Rajendra Chopade, Dipam Patel, Jignesh Pethani, Hardik shah, Amitgiri Goswami, Abhijit Chatterjee, Purvi Vyas, Debdutta Bandyopadhyay, Jeevan Kumar, Sachchidanand S, , Mukul Jain, Rajesh Bahekar, Rajiv Sharma, Ranjit Desai, Shubhangi Soman. Design and Synthesis of 2,4-Disubstitued quinoline based pyrazolo [3,4-d] pyrimidinamine derivatives as potent and selective PI3K δ inhibitors. Poster presented in 9th RBF international Symposium, Advances in New Drug Discovery and Development at Zydus Corporate Park, Ahmedabad on Feb 6-8, 2020.
- 3. Bhushan Dave**, Rajendra Chopade, Dipam Patel, Amitgiri Goswami, Abhijit Chatterjee, Purvi Vyas, Debdutta Bandyopadhyay, Sachchidanand S, Jeevan Kumar, Mukul Jain, Rajesh Bahekar, Rajiv Sharma, Ranjit Desai, Shubhangi Soman. Design, Synthesis and Pharmacological evolution of Imidazo-Quinoliny derivatives as PI3K δ -Selective Inhibitors. Poster presented in Advances in Chemistry of Bioactive Molecules (ACBAM-2020) at M.S. University, Baroda on Jan 17-18, 2020.


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