

CURRICULUM VITAE



Nanasaheb Kadlag
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INTEREST AND MOTIVATION:

To progress in the field of organic synthesis (Chemical research/CRO/API) with deeper understanding and effectively utilize my synthetic, technical knowledge and creativity to ensure substantial contribution in organic chemistry and to deliver value added products to organization and society.

RESEARCH EXPERIENCE:

Experienced organic chemist with 16+ years of research experience in the field of organic/medicinal chemistry. Expertise in design/multistep synthesis of various molecular targets. Strong problem solving and trouble shooting skills in organic synthesis.

- Currently working as Sr. Research Officer in Chemical research (Drug Discovery) Department at Glenmark pharmaceuticals Ltd. from June 2009 to Dec 2024.
- Worked as a research chemist in Herbert Brown pharmaceutical LTD from Sept 2007 to May 2009

EDUCATION:

- **Master of Science:** 2007 (First class: secured 60.0%), specialization in organic chemistry from PVP College, Ahmednagar, Pune University.
- **Bachelor of Science:** 2005 (First class with distinction: secured 74%), specialization in Chemistry from science college, lasalgaon, Pune University.

INDUSTRIAL WORK BASED PUBLICATION:

- PYRIMIDINE COMPOUNDS FOR USE AS MAP4K1 INHIBITORS ((Pub. No.CA3223874A)
- SUBSTITUTED BIPHENYL COMPOUNDS AS CBL-B INHIBITORS (Pub.No-WO2024231852A1)
- HETEROCYCLIC AMIDES AS ITK INHIBITORS (Pub. No.WO2014024119A1)

JOB PROFILE:

- As part of medicinal chemistry team, worked in the drug discovery projects and involved in the synthesis of novel chemical entities.
- Projects worked: HPK-1, TRPA-1 Antagonist, ITK, NOX4 Inhibitor, CBL-B etc and various NCE projects.
- Designing and evaluating the synthetic routes for novel molecules.
- Establishing the synthetic routes for compounds in the milligram and gram scale quantity.
- Responsible for process optimization/development and scale up of lead compounds (>50 g) studies.
- Deftly carry out literature search for optimization of synthetic methodology and design schemes for exploratory targets.
- Literature search using Sc Finder, Reaxys, Chem Draw, ChemSketch and other chemistry related software's.
- Mentored and handled junior chemists and ability to handle large group of chemists.
- Expertise in purification techniques including Combi-flash chromatography techniques, column chromatography, recrystallization, preparative TLC etc.
- Effective communication with cross-functional departments (Biology, DMPK, in-vivo &Tox)
- Prepare weekly and monthly report as part of productivity.
- Capable of doing collaborative work along with the team as well as independently.
- Possessing excellent communication and interpersonal skills.
- Proper documentation of experimental data and maintaining lab note book

WORK EXPERINCE:

- Synthesis of various type of heterocyclic compounds.
- Palladium catalysed coupling (Suzuki, Sonogashira, Heck, Buchwald, Ullmann)
- Protection and Deprotection of amines, acids, hydroxyl functional groups
- Reagents handled: Hydrides (Sodium, Potassium, Calcium, Butyl lithium, Cyanides (Sodium, Potassium, copper, Zinc), Azides, Halogenating Reagents (NBS, NCS, NIS),
- Reduction using LAH, NaBH₄, DIBAL, H₂/Pd-C, H₂/Pt-C, Fe/HCl, Zn/HCl, Boranes.
- Debenzylation reaction using Pd-C/Pd (OH)₂
- Excellent skill in handling Grignard reaction, Peptide linkage formation in different methods.
- Experience in handling different hazardous chemicals with proper safety measure and follow good laboratory practices. As a member of SHE committee attended multiple safety related training programs and gained sound knowledge on lab safety and handling chemicals.

PERSONAL INFORMATION:

- Date of Birth: 05th July. 1984
- Gender: Male
- Marital Status: Married
- Languages known: English, Hindi, Marathi
- Nationality: Indian
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REFERENCES:

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