



PERSONAL INFORMATION

Email:
sandipbalid@gmail.com

Mobile
+91 7276421240

Total work experience
11.7 years

KEY SKILL

Chemical multistep synthesis
Organic and pharmaceutical chemistry.
Process development
Analytical techniques
(HPLC, GC, NMR, MS)
Process scale up and optimization
Literature search and Documentation
Regulatory compliance (cGMP, FDA)
Collaboration cross functional team
(Research, Analytical, Manufacturing)

SANDIP BALID

Assistant Research Officer

PROFILE SUMMARY

Synthetic, process R & D chemist with extensive experience in chemical and pharmaceutical industry, towards synthesis of small and large molecule including Agrochemical, API, and API intermediates, methodologies and chromatography. Expertise in experimental design, separation (TLC, LC-MS, Column chromatography and crystallization and characterization techniques (NMR, IR, and Mass spec.) Developed methods synthesis (including scale up) of target molecule for the worlds, leading pharmaceutical companies.

CAREER

SRF Ltd., Bhiwadi

Aug 2018 - Present

Assistant Research officer

- Acquainted with literature search through online databases, **SCIFINDER®** and **Reaxys** also good hand on Chemdraw, ACD Chem-sketch.
- Synthesis target molecules through multiple steps synthesis as per literature searched as well as per client requirement-tech pack.
- Characterizations of analytical data by HPLC, GC, spectroscopic techniques such as UV, IR, mass spectroscopy, NMR.
- Record all data In E- Lab notebook, stoichiometry calculations, daily work reports conducted the experiments.
- Sound knowledge and handling autoclave-pressure reactor as well moisture sensitive reactions.
- Handled reactions like Balz schiemann, Friedel Craft, Coupling reaction, Sandmeyer Reaction, esterification, Condensation, Chlorination, Bromination, Hydrogenation, etc.
- Process establishment, monitoring, development, cost reduction, optimization and validation.
- Set up purification for target molecule, Solvent recovery, crop recovery, crop purification, yield improvement.
- Effluent recovery, effluent treatment and waste material disposal management as per GLP guidelines.
- Experience in developing methodologies, optimizations of reaction conditions, simulation, and sensitivity study for manufacturing process and standardization for the designed process.
- Scale up in pilot batches, support in troubleshooting of synthetic experimental problems and providing workable route for the same.
- Versed with documentation SPR, PDR based on format as per cGMP requirements.
- Diligent to inventory management, storage and maintain 5'S.

EXPERIMENTAL TECHNIQUES

- High Vacuum Fractional Distillation.
- Column chromatography.
- Flash chromatography.
- Preparative TLC.
- Recrystallization.
- High pressure reaction-Autoclave.

INSTRUMENTAL ACQUAINTANCE

- Acquainted handling HPLC, GC, and GC-MS with Agilent system.
- Integrate and export data to E-Labnote book.

COMPUTER PROFICIENCY

- Well versed with MS-Office, Outlook
- Chems sketch/Chem draw
- Advanced excel

OTHER PERSONAL DETAILS

DOB: 26-05-1985
City: Bhiwadi, Alwar
State: Rajasthan.
Marital status: Married.
Country: India.

PERMANANT ADDRESS

At-Balid vasti, Post-Mungi,
Tah- Shevgaon,
Dist-Ahilyanagar,
State- Maharashtra
Pin-414503

Saurav chemical limited, Derabassi

May-2016 – Aug-2018

R and D officer

- Synthesis of new API generic Molecule and route selection on the basis of literature searched as well as per client requirement gram to Kilogram scale.
- Planning of bench work and monitor of progress of routes adopted for synthesis.
- Interpretation of data from GC, HPLC, Mass spectra, ^1H NMR and ^{13}C NMR.
- Identification of optimal route for the synthesis of API and intermediates.
- Identification and synthesis of impurities formed in ROS.
- Preparation the documents such as development history reports, presentation of Chemical synthesis.
- Process optimized for route by variation of reaction parameter and reagent.
- Support in trouble shooting observed in pilot as well as plant scale.

Amogh chemicals pvt.Ltd. Badalapur

Feb-2013 – Feb-2015

R &D and quality control officer

- Familiar with modern methods of organic synthesis and execute multistep synthesis.
- Experience in Oxidation, Reduction, Nitration, Sulphonation, Halogenation reactions along with air & moisture sensitive reaction.
- Handled AlCl_3 , chlorine gas, liquid bromine in reaction with safety measure.
- Well versed with isolation and purification technique such as Crystallization, distillation, sublimation, extraction & chromatography.
- Documentation works like LNB writing, experimental writing along with daily/weekly reporting to concern stakeholders.
- Handling of KF instrument, HPLC. Characterizations of analytical data HPLC, T.L.C. versed with preparative TLC.
- Raw material and inproces sampling and analysis per guidelines and SOPs.
- Wet analysis such as moisture, LOD, solvents, Inorganic and organic impurities content of various Agrochemicals products using various analytical tools.
- Effluent analysis including COD, BOD, TDS, pH etc. using conventional as well as advanced analytical tools.

ACADEMIC

2012	M.Sc. in Drug chemistry	Ahmednagar college, Ahmednagar	Pune university
2007	B.Sc. in Chemistry	New Arts Comm. & Science college.	Pune university