

Job Description

Research Assistant/Associate, Purification and Analytical Chemistry

Position Summary

Under the supervision of a senior scientific staff member, will have responsibility for the execution, completion, and reporting of compound purification and characterization activities as part of the company's research and development efforts. Assume additional key responsibilities related to the laboratory R & D operations as assigned by supervisor and senior management.

Responsibilities

- Perform preparative purifications of small molecules, in particular macrocycles, in multi-milligram to gram scale, to support internal and collaborative drug discovery and development efforts.
- Operation and maintenance of purification and analytical instrumentation, including UPLC and preparative HPLC, within the company, as well as troubleshooting and organizing repairs when necessary.
- Conduct analytical and bioanalytical studies and testing of small molecules to support company's R&D efforts.
- Development of new methods for the purification and analysis of small molecules and intermediates, as well as optimization and improvement of existing methods.
- Sample preparation for and execution of analytical studies and quality control testing with timely reporting of results.
- Isolation and characterization of final target molecules to confirm or determine identity including storage and cataloging of these materials.
- Maintenance of the company's inventory system for synthesized compounds, intermediates, and building blocks, including externally purchased materials.
- Aiding in the development and execution of bioanalytical methods for the evaluation of macrocyclic molecules.
- Performing appropriate tests to measure the physico-chemical properties of individual compounds.
- Assistance with assessment and incorporation of new techniques and instrumentation into the R&D work flow.
- Preparation of purification protocols, analytical method documentation, and standard operating procedures.
- Presentation of results internally and, if necessary, externally.
- Planning work and completion of tasks on schedule
- Maintain up-to-date records for all work performed and ensure a safe workplace.
- Comply with all applicable laboratory safety and operational regulations and procedures.

Qualifications

- B.Sc./M.Sc. in Chemistry, or an equivalent technical degree, with 2-5 years in the pharmaceutical or biotechnology industry, experience with synthetic chemistry considered a plus.
- Expertise and proficiency in current, particularly HPLC-based, purification and analytical methods appropriate for diverse small organic molecules.
- Very good knowledge of current techniques and instrumentation for the purification and analysis of organic compounds.
- Proven track record of scientific achievement, as demonstrated by successful R & D accomplishments and/or publications.
- Ability to work flexibly and circumspectly in a fast-paced, dynamic environment and meet competitive timelines.
- High sense of organization, strong dedication, attention to detail, ability to effectively work in an interdependent team.
- Good oral and written communication and presentation skills.
- Very good computer proficiency, including standard office programs, use of chemical structure drawing programs, presentation preparation, online research tools, and database searching.