

SUMMARY

I am an experienced chemist, with extensive expertise in organic chemistry and laboratory work. My scientific background helps in overseeing work involving multi-step synthesis, synthetic route design, and various purification techniques. I have a proven track record in developing methods of synthesis, interpreting NMR spectra, and utilizing advanced analytical tools. Additionally, I hold a Ph.D. in Chemistry and have significant experience in research works.

SKILLS

- **Organic Chemistry Expertise:** Extensive knowledge in organic chemistry and.
- **Multi-Step Synthesis:** Proficient in laboratory-based multi-step synthesis of target molecules.
- **Synthetic Route Design:** Skilled in designing and optimizing synthetic routes.
- **Isolation and Purification Techniques:** Experienced in techniques such as flash chromatography, trituration, and crystallization.
- **Collaborative Teamwork:** Strong ability to work collaboratively with teams and utilize Electronic Laboratory Notebooks (ELN).
- **Process Development:** Expertise in small-scale synthesis and process-development synthesis.
- **Spectroscopy and Analysis:** Skilled in interpreting NMR spectra and LCMS data.
- Extensive experience in laboratory work and research.
- Quality control procedures

NIESTANDARDOWE

Ph.D.

Vsevolod Sierov

SENIOR CHEMIST

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EXPERIENCE

01/2025 - 04/2025

Senior Scientist

Selvita | Kraków

- Conducting laboratory based multi-step synthesis of target molecules
- Designing and optimization of synthetic routes according to current needs
- Conducting and monitoring isolation and purification processes using different techniques (flash chromatography, trituration, and crystallization)
- Collaboration with other teams, keeping ELN logs.

09/2013 - 11/2024

Senior Chemist / Synthetic Organic Chemist

UkrOrgSyntez Ltd.

- Developing methods of synthesis
- Small-scale synthesis (10 mg - 1 kg)
- Performing process-development synthesis,
- Interpreting NMR spectra and LCMS, using Reaxys for generating synthesis pathways.
- Conducted laboratory work in full compliance with health and safety guidelines, and REACH resolution.
- Performing chemical and physicochemical analyses, controlling of raw materials, intermediates, sterilization and process validation.
- Troubleshoot equipment to determine malfunctions and discrepancies, managing wear and tear.
- Validation of analytical methods accordingly to validation documentation

09/2003 - 08/2013

Researcher

Institute of Macromolecular Chemistry NAS of Ukraine

- Preparation of solutions and reagents for analysis.
- Laboratory work, research, teaching, spectroscopy, and presentation skills.
- Developing methods of small-scale synthesis (10 mg - 1 kg)
- Process-development synthesis, interpreting NMR spectra and LCMS, use of Reaxys for generating synthesis pathways
- Project-managed research including development of research protocols, funding, dissemination and publication.
- Calibration of control and measurement equipment
- Maintained comprehensive documentation of research activities.

EDUCATION

02/2010

Institute of Macromolecular Chemistry NAS of Ukraine

Ph.D.: Chemistry, Synthesis and investigation of polyurethane organic-inorganic hybrids

08/1996 - 08/1998

Taras Shevchenko National University of Kyiv

Master's degree: Chemistry

09/1992 - 08/1996

Taras Shevchenko National University of Kyiv

Bachelor's degree: Chemistry

LANGUAGES

English:

B1



Intermediate

Ukrainian:

C2



Proficient

Russian:

C1



Advanced

Polish:

A1



Beginner

I hereby give consent to the processing of my personal data for the purpose of recruiting for the position I applied for.