



Weiying Tang

Doctoral Candidate In Chemistry

Address Hohhot, 010010 China

Phone (+49)1747375501

E-mail tangweiying17@gmail.com

WWW <https://bold.pro/my/weiying-tang/291r>

Currently pursuing a Ph.D. in organic chemistry at University of Freiburg, with a focus on development of substrate-specific peptidic catalysts for Aldol and related reactions using machine learning

Skills

Ability to work independently as well as collaboratively in a team

Friendly, positive attitude

Excellent learning capacity and self-discipline

Familiarity with various laboratory techniques such as column chromatography, distillation, and extraction

Education

Sep 2021 - Jun 2024

Master of Science: Pharmaceutical Chemistry

University of South China - China

- Research Project: Investigate a novel protocol for iodophosphonium salt-promoted deoxy-functionalization of alcohols
- Thesis Statement: W. Y. Tang, X. Zheng, X. Yao, J. H. Lin, Q. T. Zheng, J. C. Xiao*. *Org. Biomol. Chem.* 2023, 21, 8989-8992.
- Degree Awarded with 2021-2023 Excellent students Scholarships through all academic years

Sep 2016 - Jun 2020

Bachelor of Science: Pharmaceutical Chemistry

University of South China - China

- Research Project: Structural design and modification of genistein
- Degree Awarded with 2020 Excellent students Scholarships

Professional Experience

Master's Student

Master's Studies

Project: Synthesis and activity assays of fluorin-substituted *genistein* derivatives

Worked on a research project titled "Structural Modification of Natural Compound Lignans for the Treatment of Triple-Negative Breast Cancer," where was primarily responsible for the synthesis of the compounds.

Project: Research on Phosphine-Promoted Reductive Deoxygenation of Alcohols

Primarily conducted catalytic research on iodinated scaly salts. Independently completed a research project titled "Triphenylphosphine/1,2-Diiodoethane-Promoted Reductive Deoxygenation of Alcohols."

Undergraduate Student

Undergraduate Studies

Project: Design and Synthesis of Novel PI3K/HDAC Dual-Target Inhibitors

Completed provincial-level undergraduate research and innovation project in Hunan: "Design, Synthesis, and Antitumor Activity Study of Novel PI3K Inhibitors for Reversing Tumor Drug Resistance."