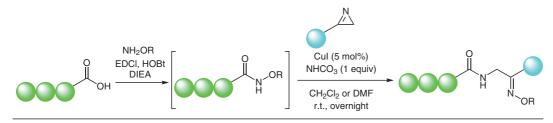
Y. LIU, Z. HE, W. MA, G. BAO, Y. LI, C. YU, J. LI, R. E, Z. XU*, R. WANG*, W. SUN* (LANZHOU UNIVERSITY, P. R. OF CHINA)

Copper(I)-Catalyzed Late-Stage Introduction of Oxime Ethers into Peptides at the Carboxylic Acid Site Org. Lett. 2022, 24, 9284-9253, DOI: 10.1021/acs.orglett.2c03813.

Cu-Catalyzed Introduction of Oxime Ethers into Peptides



84% yield

Significance: For a long time, the development of late-stage modifications to peptides has been an important endeavor to organic chemists. In this study the authors have successfully demonstrated a copper-catalyzed introduction of oxime ethers to peptides.

85% yield

Comment: This copper catalysis is a promising method for the introduction of biological fragments into peptides. This method was successfully performed with various peptides in excellent yields.

89% yield

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Peptide Chemistry

Key words

copper catalysis oxime ethers

late-stage functionalization

