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
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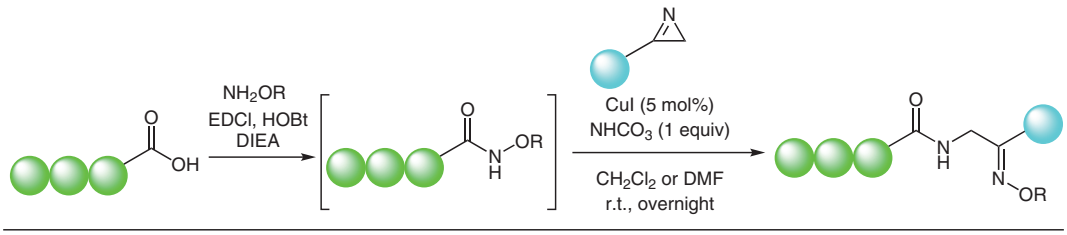
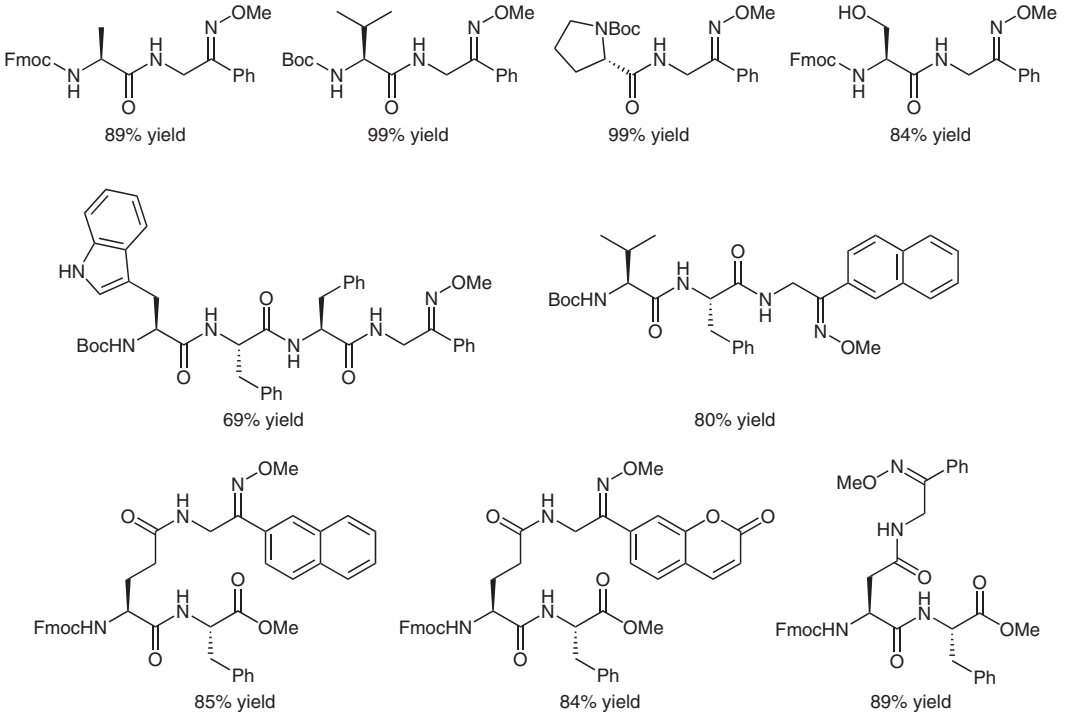
Cu-Catalyzed Introduction of Oxime Ethers into Peptides



Selected examples:



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.

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.

SYNFACTS Contributors: Hisashi Yamamoto, Tomohiro Hattori
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Category
Peptide Chemistry

Key words
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oxime ethers
late-stage functionalization

Synfact of the Month