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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

Category

Peptide Chemistry

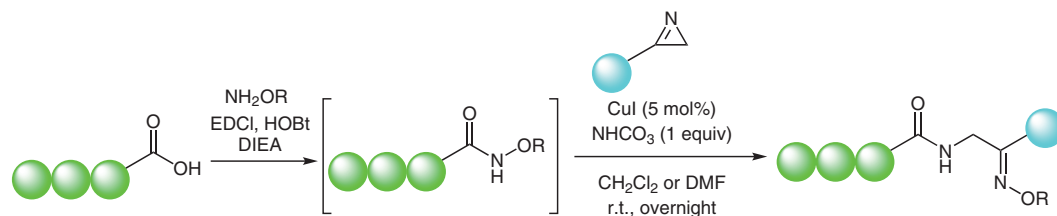
Key words

copper catalysis

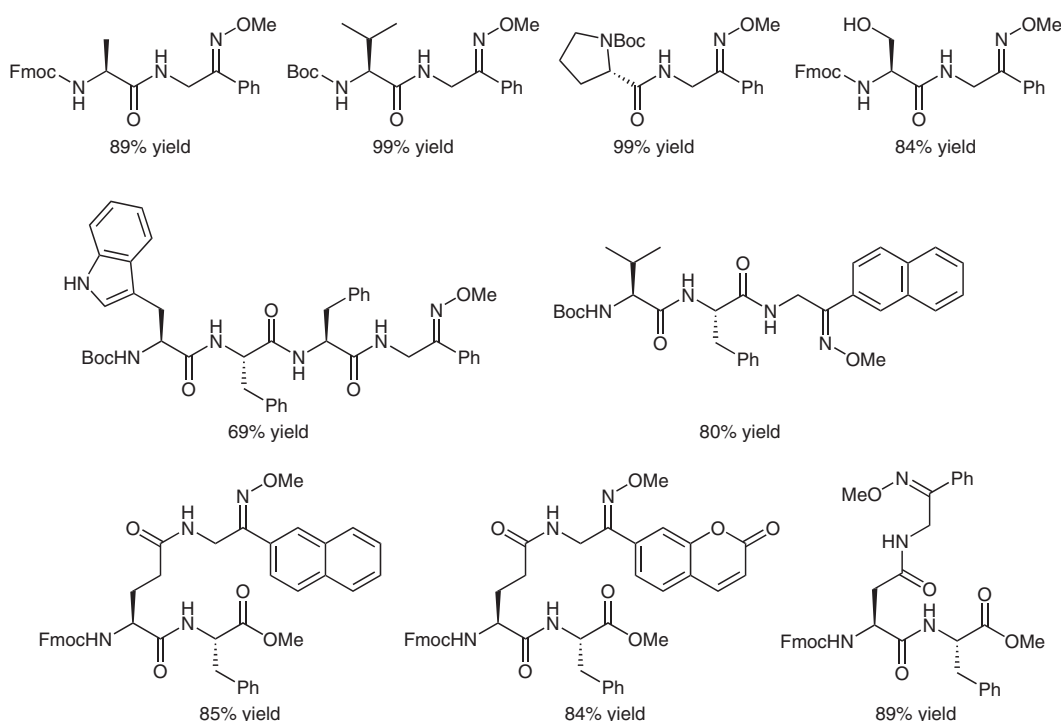
oxime ethers

late-stage
functionalization

Synfact
of the
Month



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.

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