

S. LIU, C. CAI, Z. BAI, W. SHENG, J. TAN*, H. WANG* (CHONGQING NORMAL UNIVERSITY AND NANJING UNIVERSITY, P. R. OF CHINA)

Late-Stage Macrocyclization of Bioactive Peptides with Internal Oxazole Motifs via Palladium-Catalyzed C–H Olefination
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Palladium-Catalyzed Olefination of Oxazole-Containing Peptides

Category

Peptide Chemistry

Key words

palladium catalysis

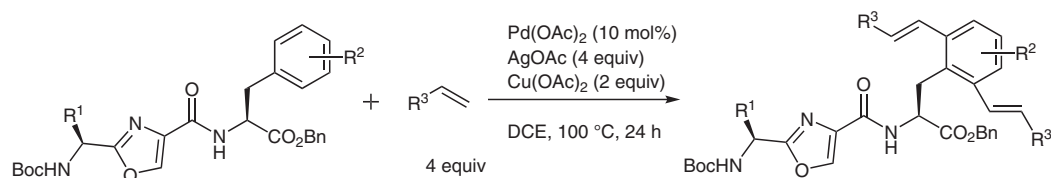
oxazoles

C–H bond activation

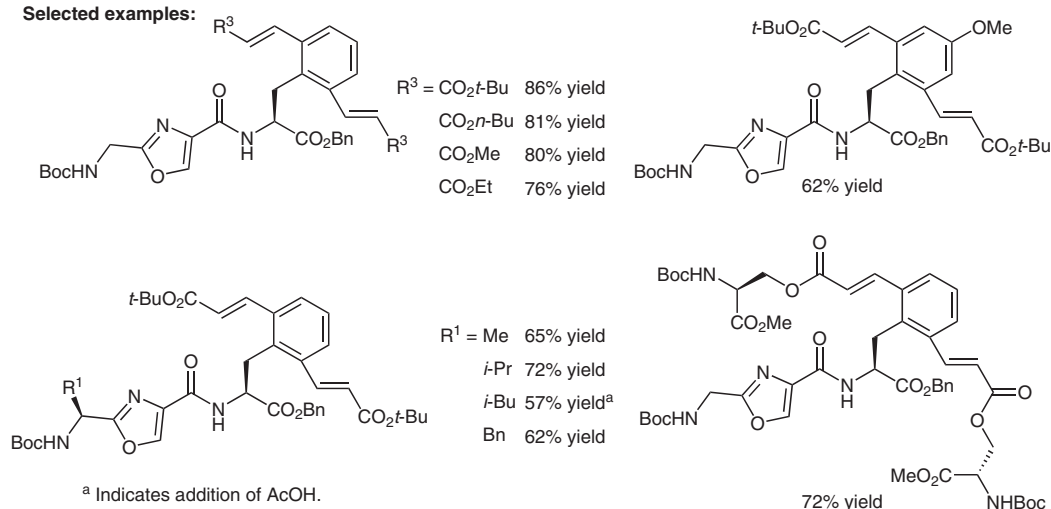
macrocyclization

olefination

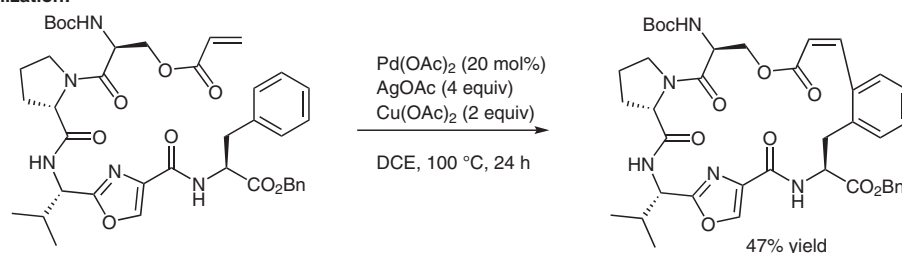
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Month



Selected examples:



Macrocyclization:



Significance: Late-stage functionalization of peptides has enormous potential for drug discovery. The authors have developed a palladium-catalyzed C(sp²)-H olefination at the aromatic ring of oxazole-containing peptides.

Comment: The palladium-catalyzed olefination proceeds for various oxazolone-containing peptides. Moreover, this method can be applied to macrocyclization.

SYNFACTS Contributors: Hisashi Yamamoto, Tomohiro Hattori
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