Y. ZHANG, Q. ZHANG, C. T. T. WONG, X. LI* (THE UNIVERSITY OF HONG KONG, P. R. OF CHINA)

Chemoselective Peptide Cyclization and Bicyclization Directly on Unprotected Peptides
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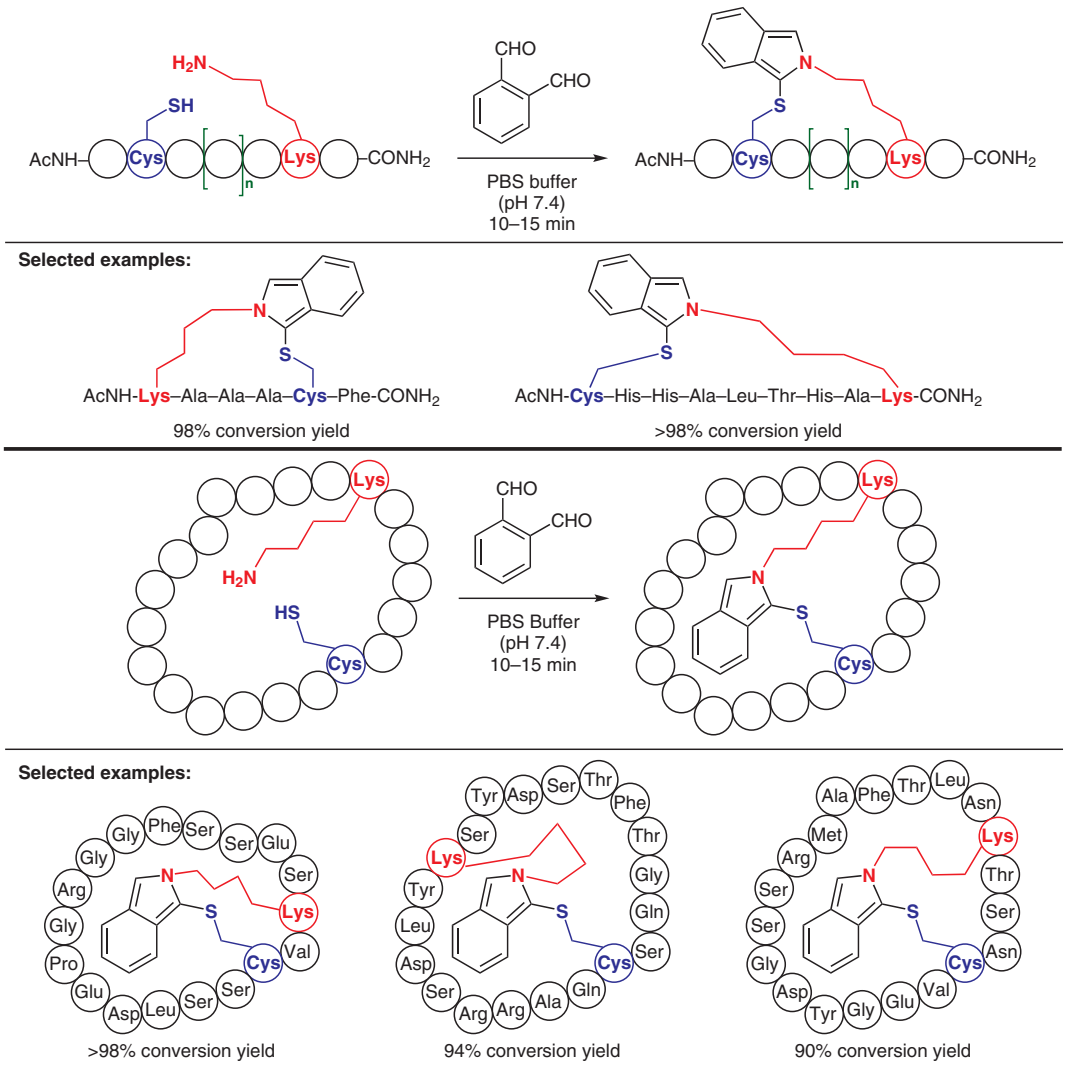
Synthesis of Cyclic and Bicyclic Peptides



Significance: Due to their unique properties, cyclic peptides and their synthesis have received considerable attention from medicinal chemists. The authors have developed an *ortho*-phthalaldehyde-guided chemoselective cyclization of unprotected peptides.

Comment: This cyclization reaction for the synthesis of cyclic and bicyclic peptides is guided successfully by *ortho*-phthalaldehyde. The target compounds are obtained in high conversion yields with excellent chemoselectivity.

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Peptide Chemistry

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Synfact of the Month