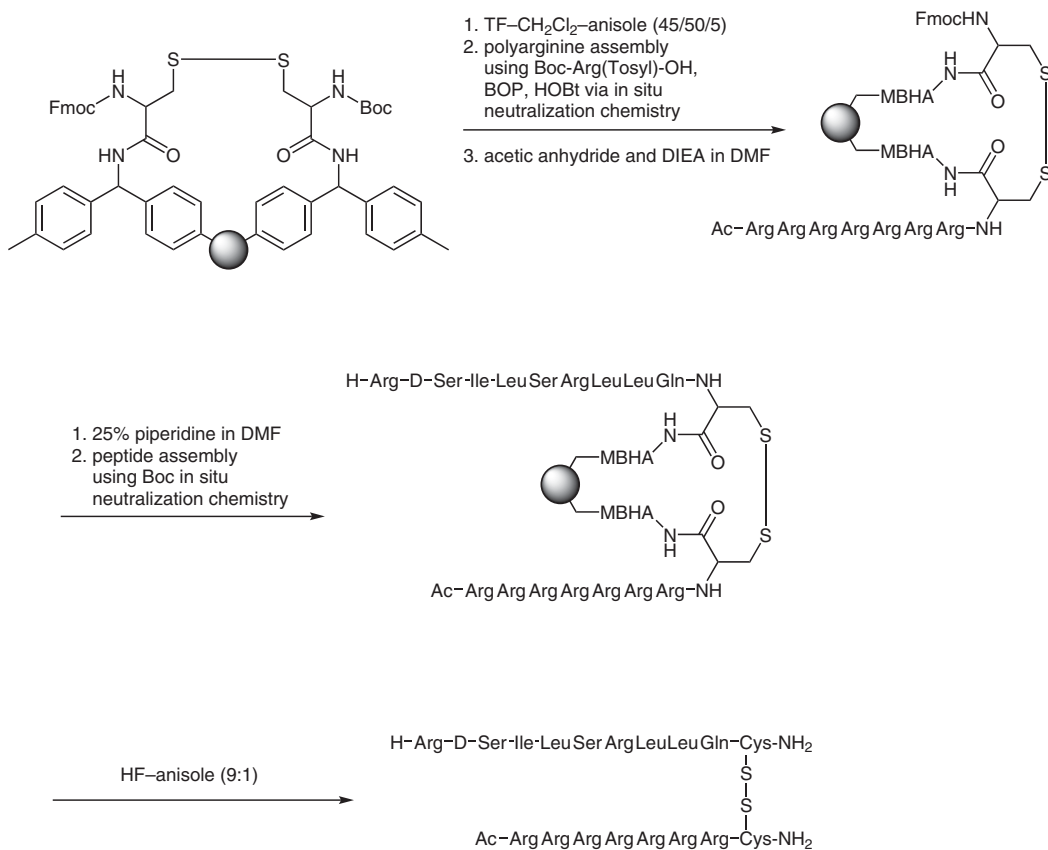


A. K. GALANDE*, A. F. SPATOLA (UNIVERSITY OF LOUISVILLE, USA)
Solid-Phase Synthesis of Disulfide Heterodimers of Peptides
Org. Lett. **2003**, *5*, 3431–3434.

Conjugation of Two Peptides via Disulfide Linkage



Significance: Nonsymmetric intermolecular disulfide bridges might be advantageous for peptide conjugation in the light of their solubility in a solvent. The authors report an orthogonal disulfide template synthesis, and its application in hydrophobic cell-penetrating peptides.

Comment: The disulfide template could be conjugated with a hepta-arginine segment and LXXL-motif-containing peptides by using such coupling reagents as BOP or HOBt. After the cleavage of the resin from the peptides, polypeptides containing two kinds of peptides conjugated through a disulfide linkage were obtained.