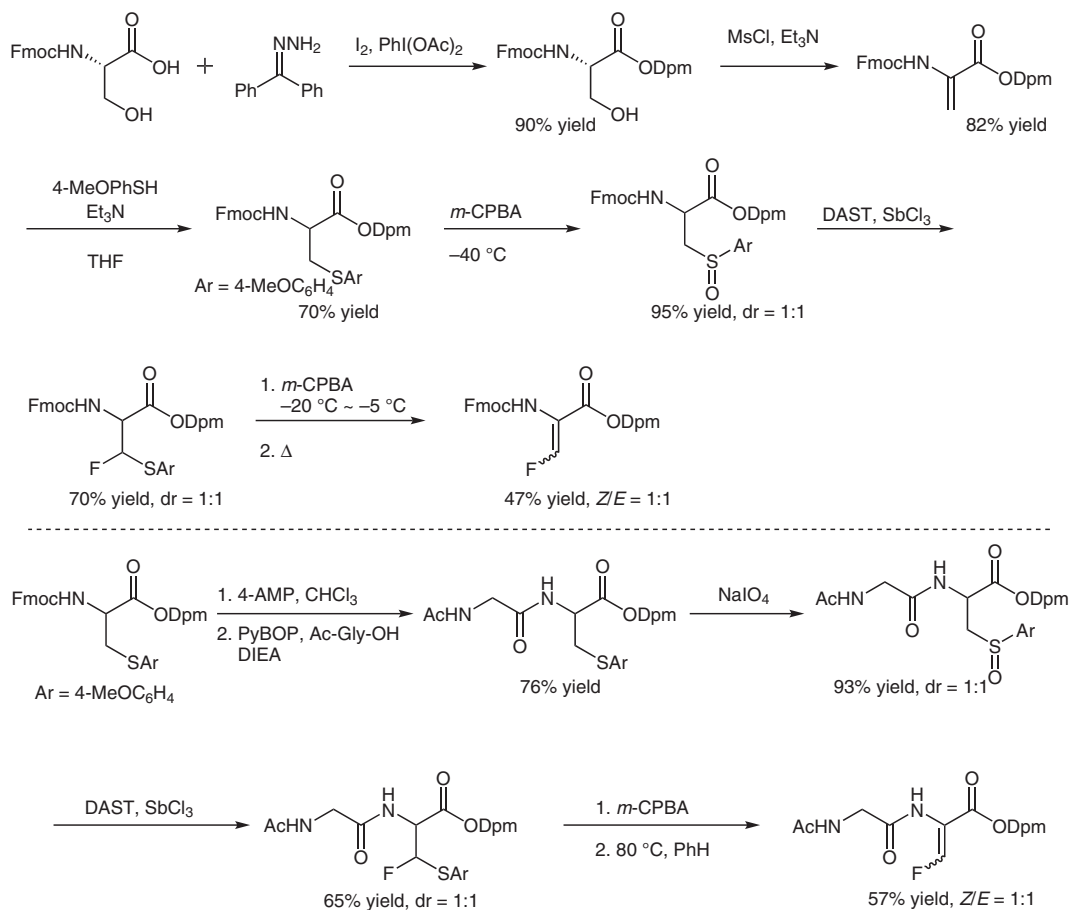


H. ZHOU, W. A. VAN DER DONK* (UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, USA)
 Synthesis of 2-Amino-3-fluoroacrylic Acid Containing Peptides
Org. Lett. **2001**, 3, 593–596.

Synthesis of Fluorodehydroalanine-Containing Peptides



Significance: Dehydroalanine moieties occur abundantly as scaffolds in natural products. Also, fluorine-substituted compounds have received increasing attention due to their small steric bulk and their lipophilicity. The authors developed a strategy for the synthesis of fluorine-substituted dehydroalanines.

Comment: (*E*)- And (*Z*)-fluorodehydroalanines were synthesized from *N*-protected serines through a fluoro-Pummerer rearrangement. Moreover, this methodology can be applied in dipeptide synthesis.