Practically Simple Method for the Synthesis of N-Formyl Amino Acid Esters

Significance: Protecting groups play an inherent role in peptide chemistry. In 1994, the authors developed a facile procedure for synthesizing N-formyl amino acid esters using commercially available trimethyl orthoformate or triethyl orthoformate.

Comment: A series of N-formyl amino acid esters were synthesized in good yields with excellent optical purity. This method is practically simple and proceeds without racemization.

Since this compound is resistant to purification and contains solvent impurities, the yield is >100%.