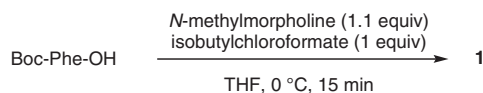


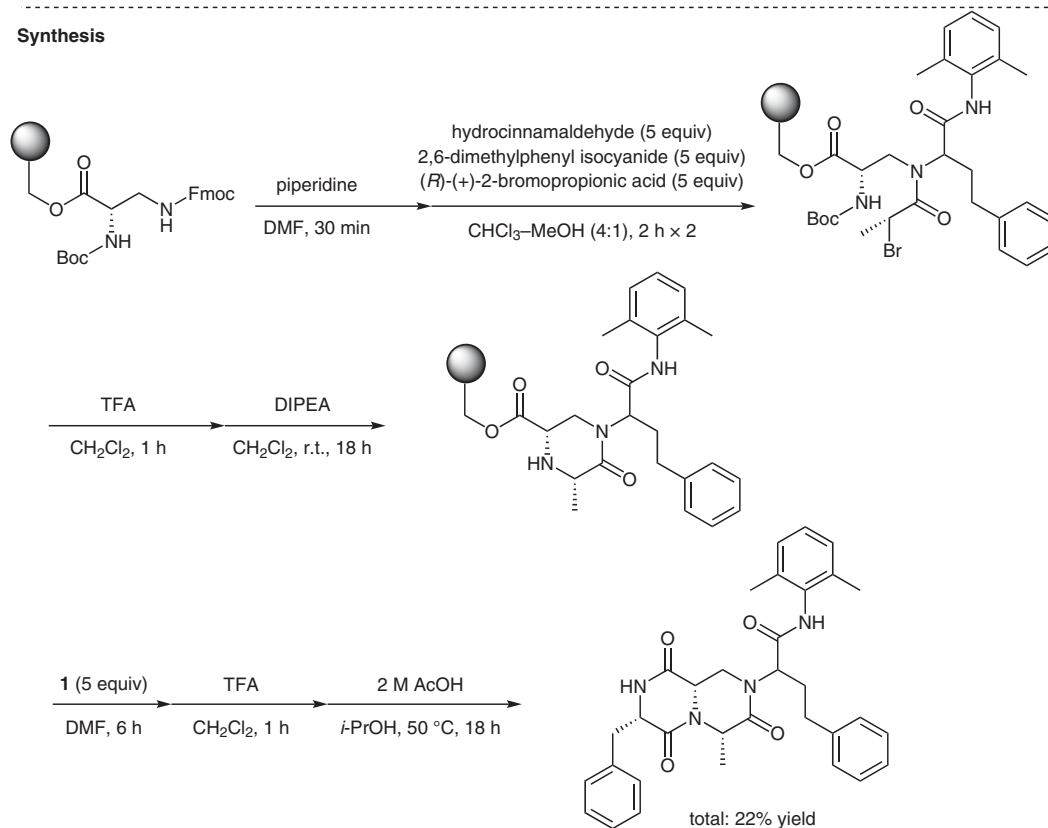
A. GOLEBIOWSKI*, S. R. KLOPFENSTEIN, X. SHAO, J. J. CHEN, A.-O. COLSON,
A. L. GRIEB, A. F. RUSSELL (PROCTER & GAMBLE PHARMACEUTICALS, MASON, USA)
Solid-Supported Synthesis of a Peptide β -Turn Mimetic
Org. Lett. **2000**, *2*, 2615–2617.

Solid-State Synthesis of a β -Turn Mimetic

Preparation of the isobutyric acid mixed anhydride of Boc-Phe-OH (1)



Synthesis



Significance: The β -turn is one of the most interesting structural peptides and has attracted significant attention not only from biologists, but also from organic chemists. In 2000, the authors have demonstrated the construction of a β -turn mimetic by solid-supported synthesis.

Comment: Solid-supported synthesis is an effective method for forming peptide bonds. The Ugi reaction was used in the cyclization step to afford the β -turn mimetic in high yield.