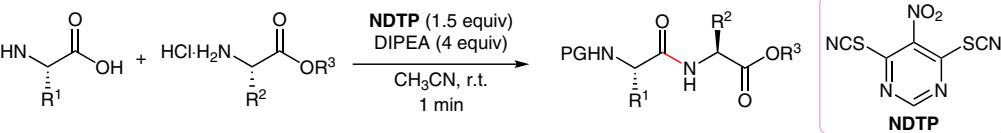
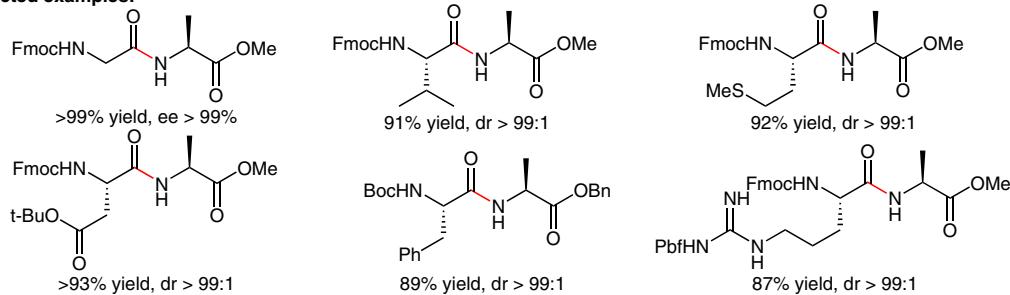


Key words

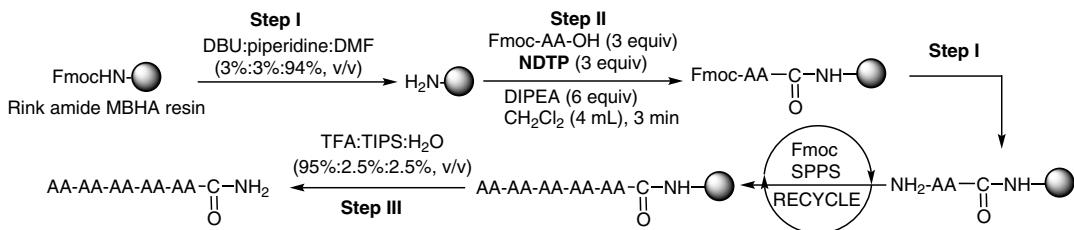
coupling agents
amino acid activation
nitrodithiocyanato-pyrimidine
solid-phase synthesis



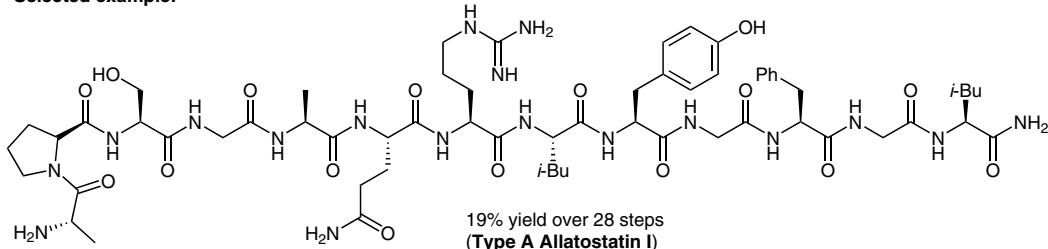
Selected examples:



Application of methodology towards solid-phase peptide synthesis



Selected example:



Significance: The development of novel and practically viable methods for forming peptide bonds is in high demand for peptide drug discovery. The authors have developed 5-nitro-4,6-dithiocyanato-pyrimidine (NDTP) as a powerful coupling agent for peptide synthesis.

Comment: NDTP-mediated peptide bond-forming reactions proceeded smoothly to deliver a series of peptides in high yields with excellent selectivities. NDTP is a mild, nonirritant, conveniently available, and recyclable reagent. Moreover, it is also compatible with Fmoc solid-phase peptide synthesis.