P. LI, J. C. XU* (SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY, P. R. OF CHINA) 2-Bromo-1-ethyl Pyridinium Tetrafluoroborate (BEP): A Powerful Coupling Reagent for *N*-Methylated Peptide Synthesis *Chem. Lett.* **2000**, 29, 204–205, DOI: 10.1246/cl.2000.204.

Efficient Method for the Synthesis of *N*-Methylated Peptides

Significance: Development of new coupling reagents for the synthesis of peptides having *N*-methyl amino acids is highly demanded in the peptide industry. In 1999, Xu and Li utilized 2-bromo-1-ethyl pyridinium tetrafluoroborate (BEP) as an efficient coupling reagent for the synthesis of peptides containing *N*-methyl amino acids.

Comment: A series of *N*-methyl peptides were synthesized in good yields with the help of 2-bromo-1-ethyl pyridinium tetrafluoroborate (BEP). The reaction protocol is simple and proceeds without loss of optical purity. This protocol is helpful for the synthesis of polypeptides having *N*-methyl amino acids.

Category

Peptide Chemistry

Key words

N-methyl peptides coupling reagents

2-bromo-1-ethyl pyridinium tetrafluoroborate (BEP)



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