1,1'-carbonylbis (3-methylimidazolium)

amino acid esters

CDI

triflate

A. K. SAHA, P. SCHULTZ, H. RAPOPORT* (UNIVERSITY OF CALIFORNIA, BERKELEY, USA) 1,1'-Carbonylbis(3-methylimidazolium) Triflate: An Efficient Reagent for Aminoacylations *J. Am. Chem. Soc.* 1989, 111, 4856–4859, DOI: 10.1021/ja00195a043.

CBMIT-Mediated Synthesis of Amino Esters and Peptides

Significance: The development of new coupling reagents for the synthesis of amino esters and peptides is highly demanded in organic synthesis. In 1989, the authors invented 1,1'-carbonylbis-(3-methylimidazolium) triflate as an efficient reagent for the synthesis of amino esters and peptides.

Comment: A series of amino esters and peptides were synthesized with the aid of 1,1'-carbonylbis(3-methylimidazolium) triflate as the coupling agent. The reaction protocol is simple and proceeds without loss of optical purity.

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