

Reactions of the unsaturated phosphonates with a nitrogen containing binucleophilic reagents

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Abstract

With the goal of synthesis of the new potential practically useful compounds we have studied the reactions of vinylphosphonate with 4,7,10-trioxa-1,13-tridecanediamine, with 4,9-dioxa-4,12-dodecanediamine and of 3-methyl-buta-1,2-dienylphosphonate with 2-aminethiazole. It was found the participation of both functional groups in diamines in the addition to vinylphosphonate. The endocycle nitrogen atom of 2-aminethiazole add to the central carbon atom of 3-methyl-buta-1,2-dienylphosphonate.