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A Facile Rearrangement of *N*-Alkyl, *N*-(o or p-Nitrophenylsulfonamide)- α -Amino Esters *Tetrahedron* **1999**, *55*, 1647–1656, DOI: 10.1016/S0040-4020(98)01209-5.

Synthesis of α -Quaternary Amino Esters via Intramolecular Rearrangement

Significance: α -Quaternary amino acids are ubiquitously found in many biologically active molecules and play a crucial role in the determination of various biological pathways of metabolism. In 1999, the authors developed a tetrabutylammonium hydroxide-mediated intramolecular rearrangement of *N*-alkyl, *N*-(σ - or *p*-nitrophenylsulfonamide)- σ -amino esters for the synthesis of σ -quaternary amino acids esters.

Comment: A series of α -quaternary amino acids esters were synthesized via a Meisenheimer intermediate. The reaction proceeded with good to moderate yields and with good selectivity.

Category

Peptide Chemistry

Key words

α-quaternary amino esters

intramolecular rearrangement

Meisenheimer intermediate

tetrabutylammonium hydroxide



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