

Asymmetric Synthesis of α -Quaternary Substituted Aziridine-2-carboxylates and Application to Amino Acid Synthesis

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A general, scalable, and highly diastereoselective aza-Corey-Chaykovsky aziridination of *N*-*tert*-butanesulfinyl ketimino esters is described. The privileged, enantioenriched, and previously inaccessible α -quaternary aziridine-2-carboxylate products are densely functionalized compounds that provide straightforward access to novel, biologically relevant α -quaternary amino esters and derivatives starting from readily available precursors. The development of robust methodology and subsequent application via inter- and intramolecular ring opening will be presented.

