Y. L. BENNANI, G.-D. ZHU, J. C. FREEMAN (ABBOTT LABORATORIES, ABBOTT PARK, USA) Scandium-Mediated Opening of Aziridine Carboxylates: A Facile Synthesis of Aryl Substituted Tryptophans Synlett 1998, 754–756, DOI: 10.1055/s-1998-1773.

## Ring-Opening of Aziridine Carboxylates for the Synthesis of Tryptophan Derivatives

**Significance:** Tryptophan and unnatural tryptophan derivatives are ubiquitous in many natural products and peptide drug molecules. In 1998, Bennani and co-workers developed a scandium-mediated ring-opening method of aziridine carboxylates for the synthesis of aryl-substituted tryptophan derivates.

**Comment:** A series of aryl-substituted tryptophan derivates were synthesized with a scandium-mediated ring opening of aziridine carboxylates. This method is practically simple and synthesized various aryl-substituted tryptophan derivates in good yields.

Category

**Peptide Chemistry** 

Key words

Sc(OTf)<sub>3</sub>

aziridine carboxylates

ring opening

tryptophan derivatives



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