Synthesis of Dehydroamino Acids through Stereo specific Elimination

Significance: Dehydroamino acids are present in various biologically active natural products. The authors have developed an efficient and stereoselective method for the synthesis of tri- or tetrasubstituted \( \alpha,\beta \)-dehydroamino acids from readily available \( \beta \)-hydroxyamino acids.

Comment: Cyclic sulfamidites, derived from readily available \( \beta \)-hydroxyamino acids, are efficient substrates for the stereoselective synthesis of \( \alpha,\beta \)-dehydroamino acids. The developed method was used in a synthesis of the tripeptide side chain of phomopsin A.