Turkish Journal

of

Chemistry

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Turkish Journal of Chemistry

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Highly stereoselective and efficient synthesis of the dopa analogue in pepticinnamin E via enantioselective hydrogenation of dehydroamino acids

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Abstract: An efficient and new method was developed to prepare the dopa analogue 11 in natural pepticinnamin via catalytic hydrogenation of dehydroamino acids (DDAA) with a good yield and ee. Product 11 is a key intermediate towards the total synthesis of pepticinnamin E and its analogues.

Key Words: Synthesis; dopa analogue; enantioselective hydrogenation; dehydroamino acid.