

Review of: "Asymmetric biomimetic transamination of α -keto amides to peptides"

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Enzymatic transamination is a significant process to synthesize various amino acids from α -keto acids in biological systems. But the transaminases cannot work for the transformation of α -keto amides to peptides. In this work, Zhao and co-workers develop a biomimetic bifunctional pyridoxamine catalyst and successfully realized the catalytic asymmetric transamination of α -keto amides to peptides for the first time. Excellent stereoselective control and great functional group compatibility displayed by the biomimetic organocatalyst are especially impressive. The work has contributed an intriguing different strategy to access bioactive peptides.