

S27-7 Practical Catalytic Asymmetric Synthesis of Potential Pharmaceuticals

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Our research has been focused on the development of asymmetric two-center catalysis and its application to the synthesis of biologically significant compounds.

In this presentation, practical catalytic asymmetric synthesis of three molecules that are under clinical trials. The molecule **1** is a highly potent drug candidate for treatment of diabetic complications such as neuropathy. The molecule **2** is a β_3 adorenoreceptor agonist, and the molecule **3** is a promising new drug tuberculosis.