

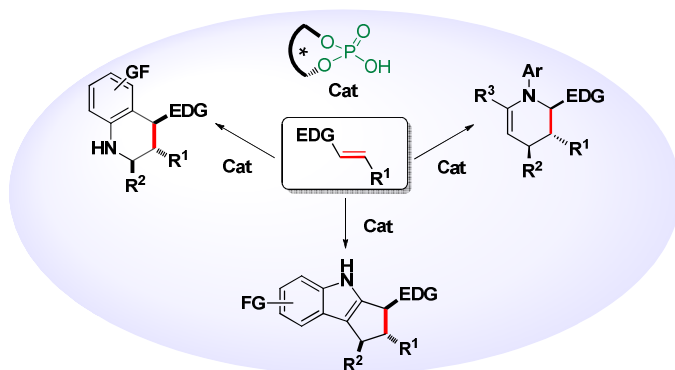
ENANTIOSELECTIVE ORGANOCATALYTIC CYCLOADDITIONS VIA HYDROGEN BOND CATALYSIS

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Asymmetric Brønsted acid catalysis has rapidly emerged as a powerful strategy for the synthesis of chiral, biologically relevant compounds, complementing enzymes and metal complexes. For the past five years we have been interested in developing enantioselective cycloadditions catalyzed by chiral Brønsted acid catalysts.¹

This talk will present our work in this area, which includes the asymmetric cycloaddition syntheses of various six- and five-membered nitrogen-containing heterocycles.² We also applied these methodologies in the synthesis of biologically active natural and non-natural products.



References

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