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# Aminocatalyzed synthesis of enantioenriched polycyclic frameworks

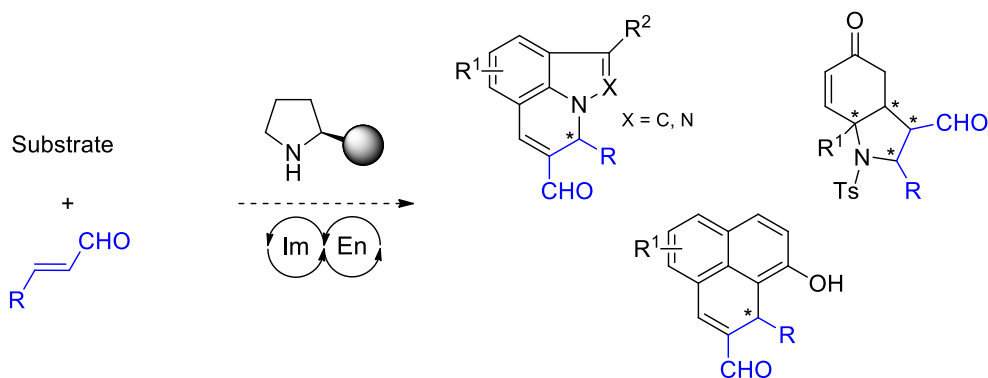
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The development of efficient chemical processes that generate multiple bonds in a single operation is a straightforward approach to construct molecular complexity and structural diversity.<sup>1</sup> The remarkable growth of the use of small chiral molecules as promoters in asymmetric transformations in the last two decades has permitted the development of new cascade or domino reactions giving rise to enantioenriched functionalized molecules.<sup>2</sup>

In this context, we have taken advantage of the ability of chiral secondary amines<sup>3</sup> to promote iminium and enamine activation of  $\alpha,\beta$ -unsaturated aldehydes in one catalytic cycle to allow the preparation of bi and tricyclic scaffolds. Different organocascade sequences leading to enantioenriched polycyclic architectures will be presented.<sup>4</sup>



### References

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