

Strong Base Mediated Intramolecular Cyclopropanation

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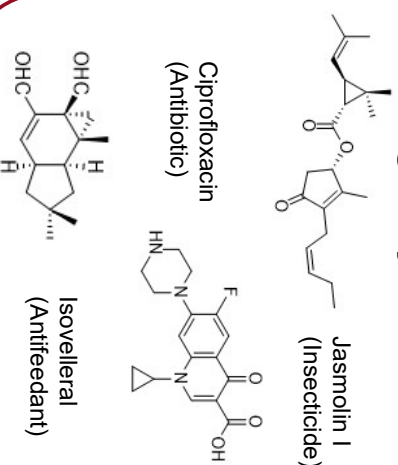
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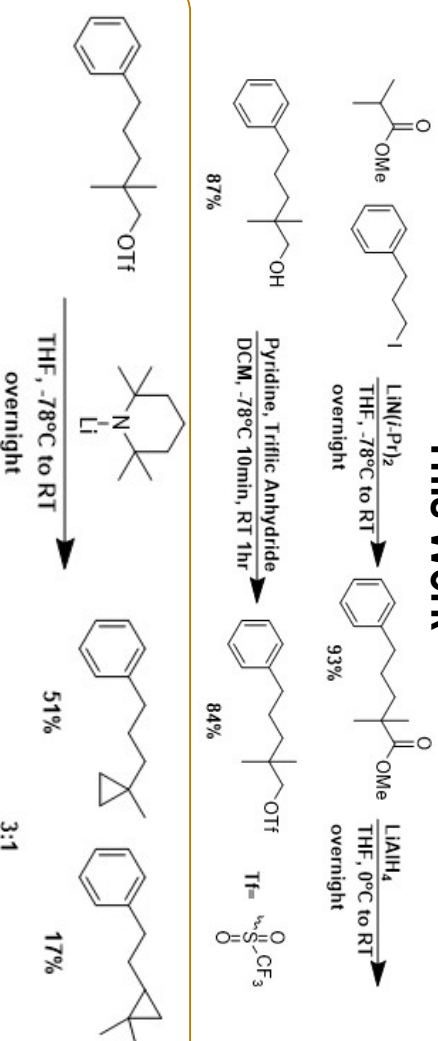
Introduction

Cyclopropanes can be found in many biologically active compounds. Developing a new method to synthesize cyclopropanes would allow for late-stage modification of existing drugs or natural products to further medicine development.

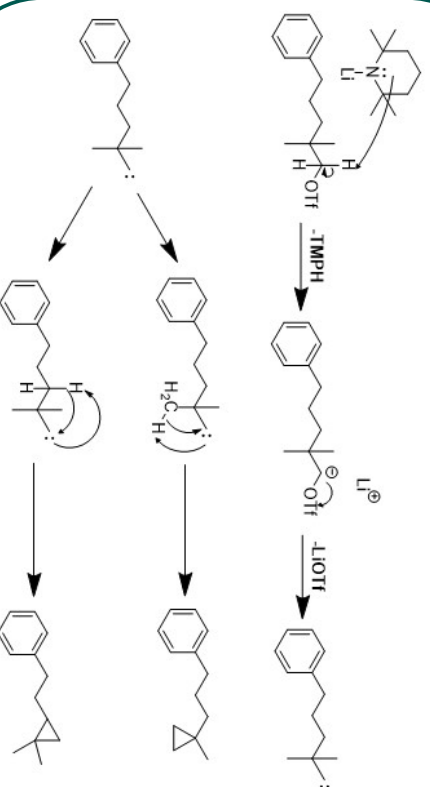
Biologically Relevant



This Work



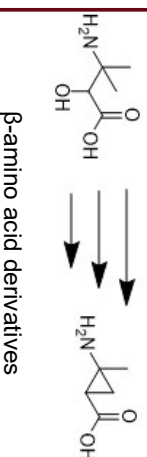
Proposed Mechanism



Summary

A new method using a triflate leaving group and the strong base lithium tetramethylpiperide (LiTMP) to produce a cyclopropane moiety has been developed. Refining the reaction conditions for functional group tolerance will allow for more complex molecules to be modified in the future.

Future Work



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