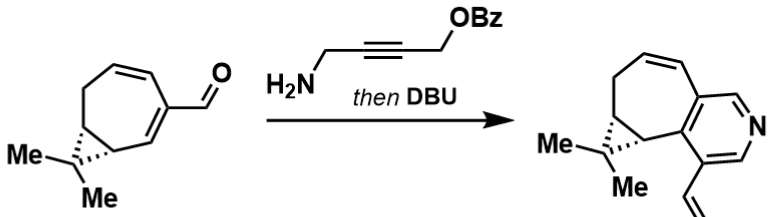
Problem Set 1

Due Date: April 28th, 2021

Provide reasonable mechanisms for the following transformations.
(5 points each)

1.


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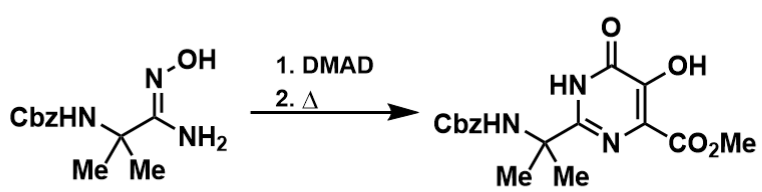

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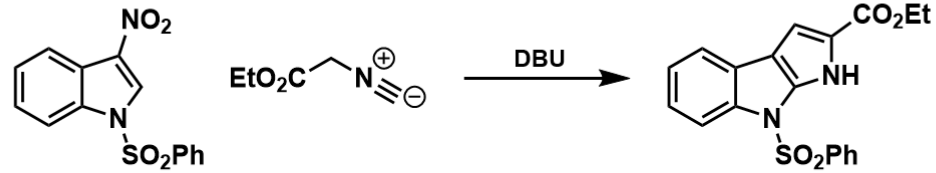

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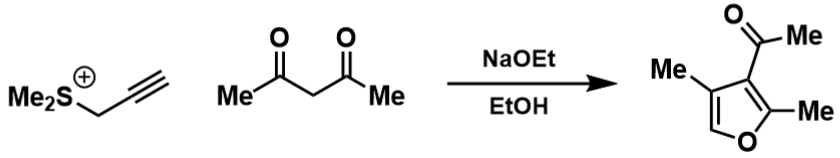

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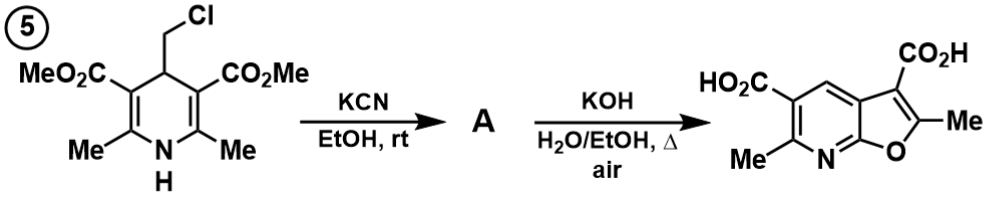

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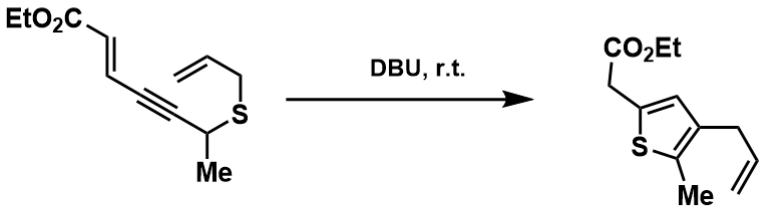

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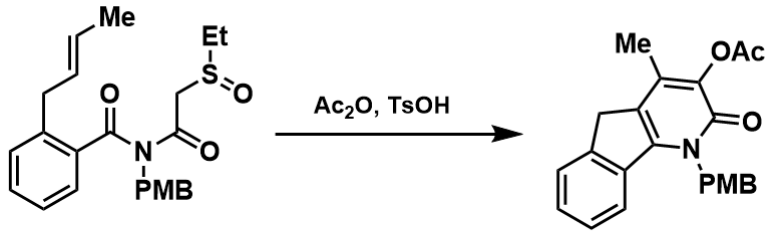

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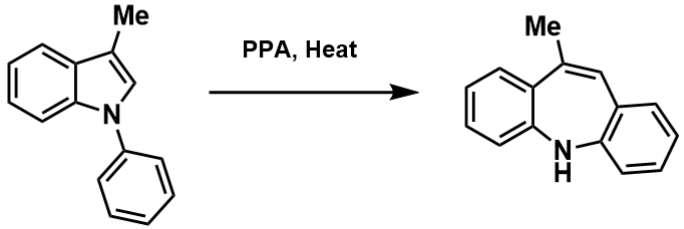

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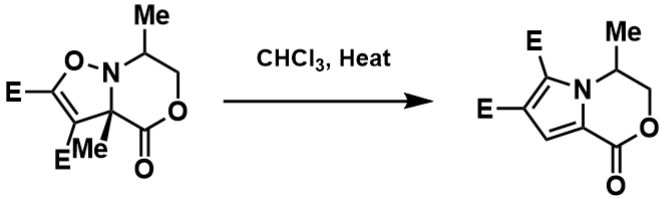

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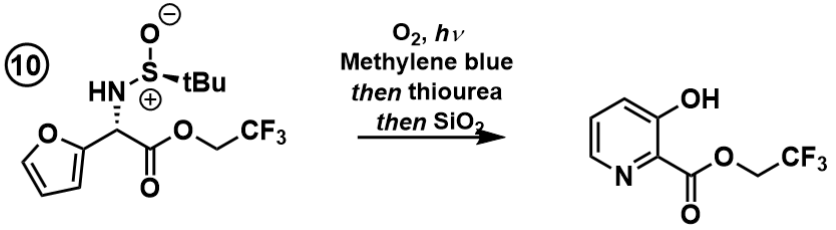
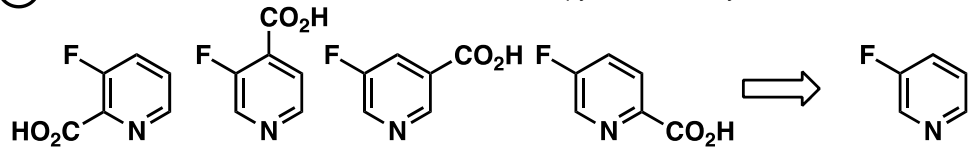


Problem Set 1

Provide simple syntheses for the following compounds. (5 points each)
For syntheses that use **substitution** use a mono or difuncitonalized starting material. **You may only use 6 cross coupling reactions on this entire page**

1. Provide a route to all of the isomers of 3-difluoropyridine carboxylic acid.



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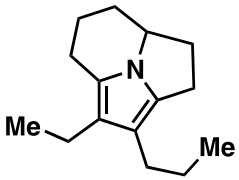

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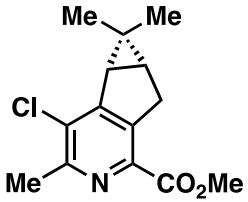

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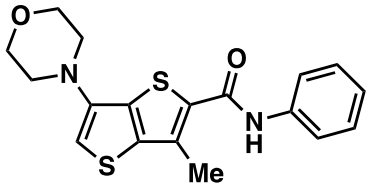

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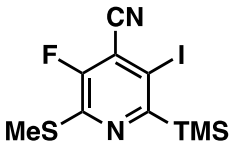

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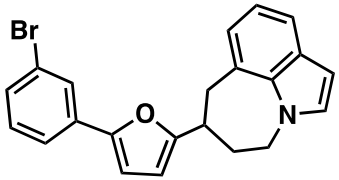

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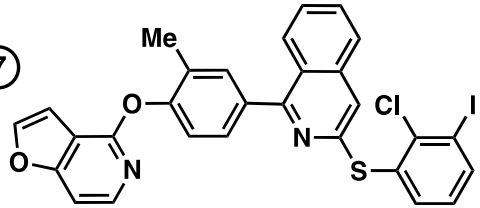

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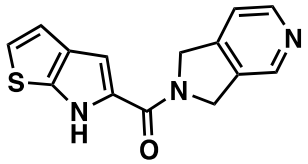

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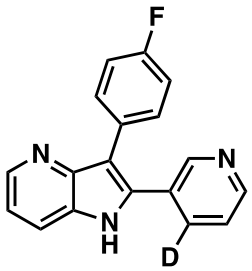

10.

