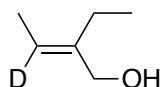
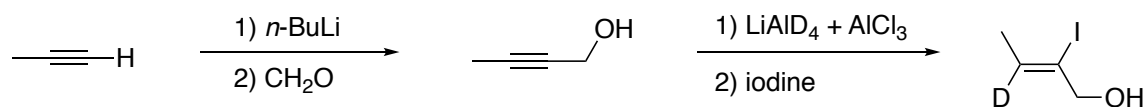


Alkene Problem Bank Part A-1: Suggested Answers

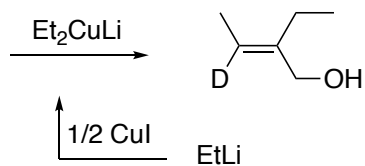
Problem 1



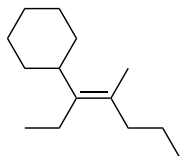
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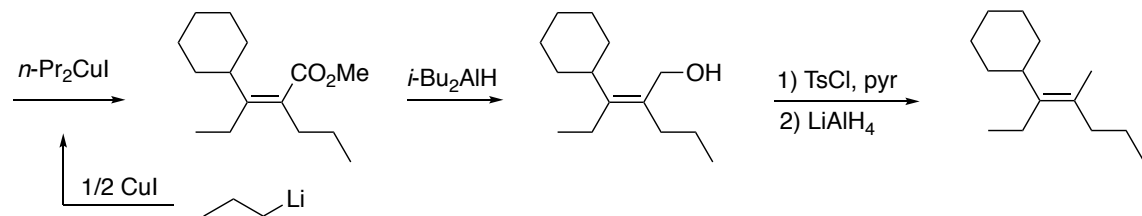
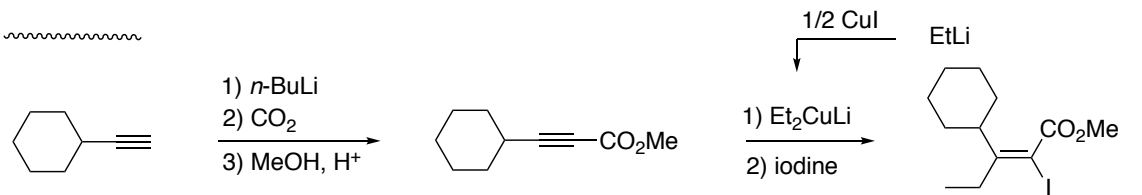
OR: 1) *n*-BuLi  
2) *i*-Bu<sub>2</sub>AlD



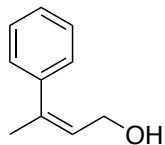
### Problem 5



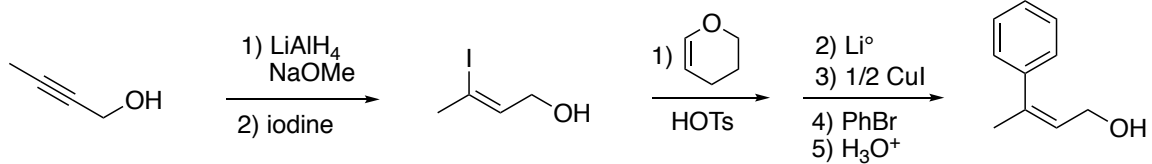
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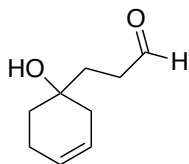
Problem 22



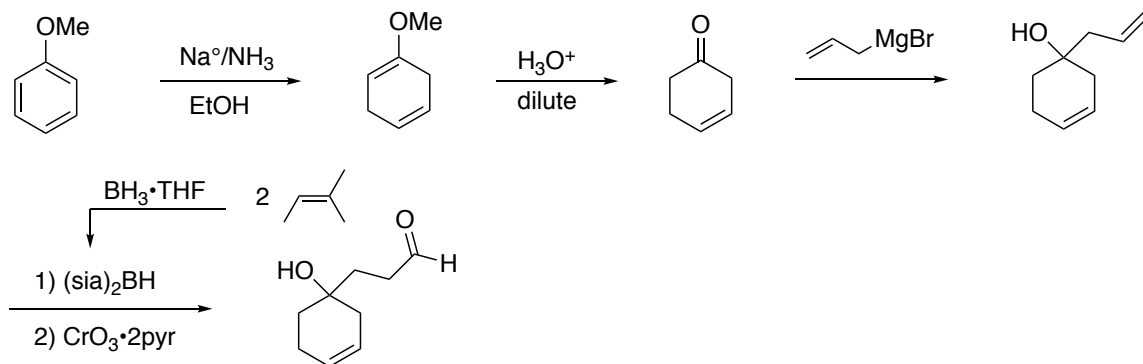
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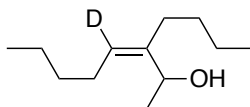
### Problem 29



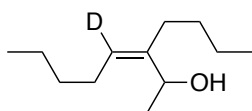
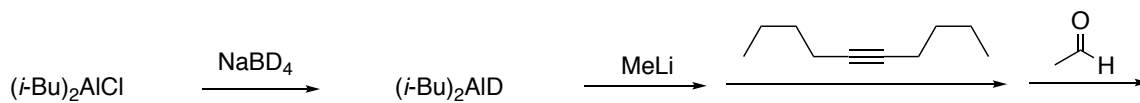
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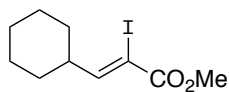
Problem 41



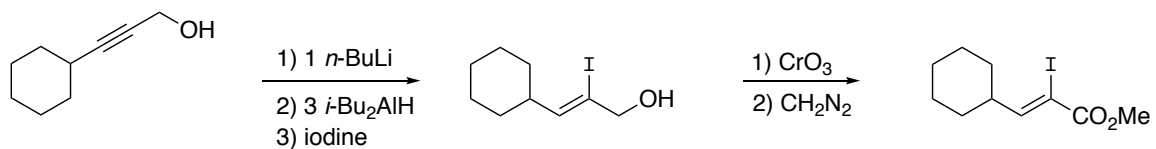
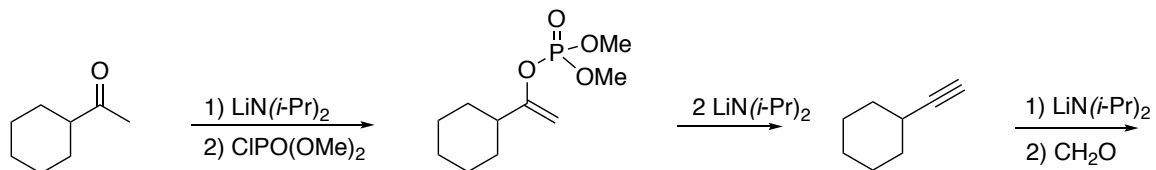
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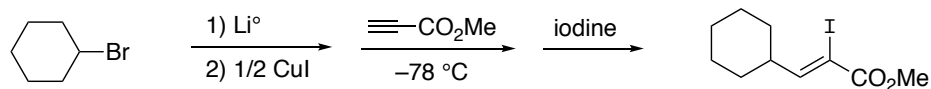
### Problem 56



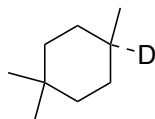
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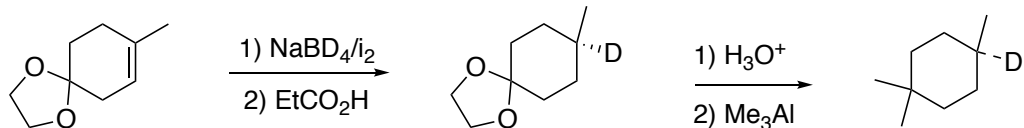
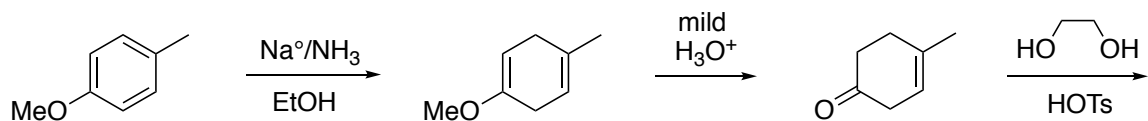
OR



Problem 65

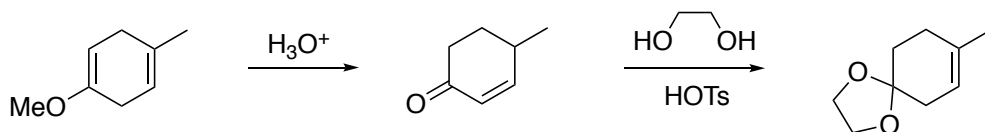


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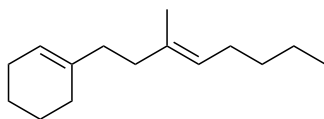


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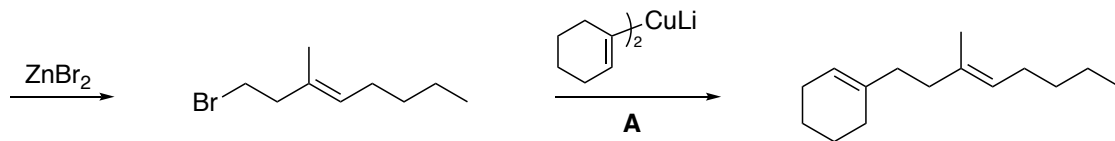
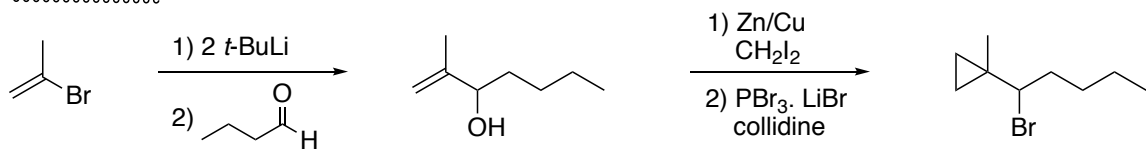
Alternative



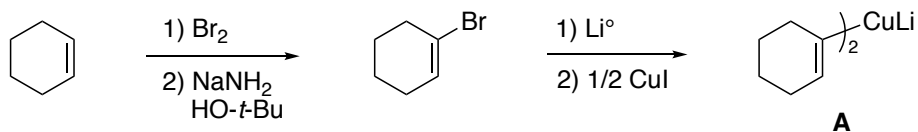
Problem 66



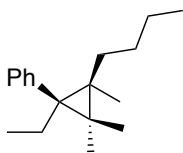
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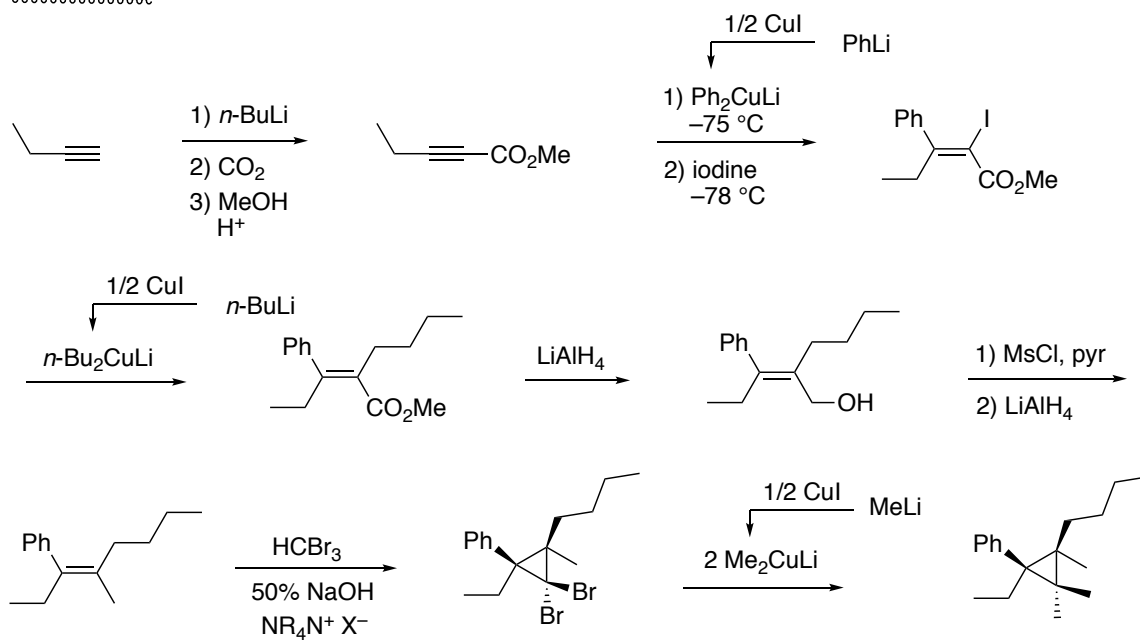
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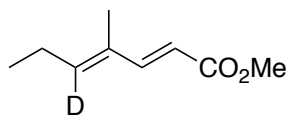
Problem 67



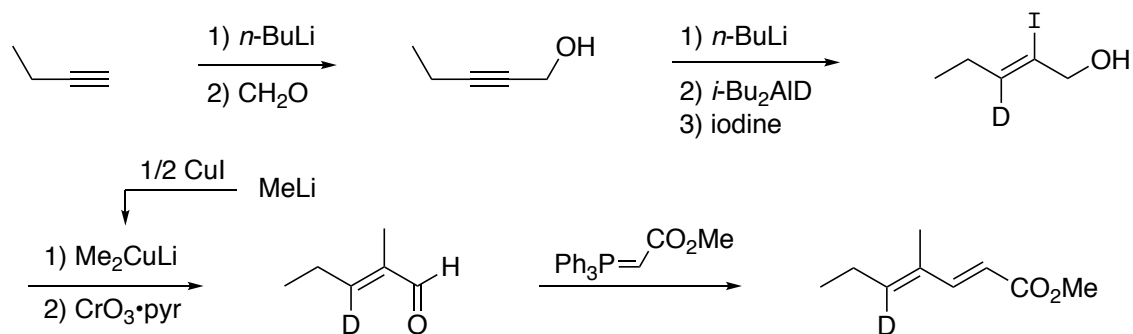
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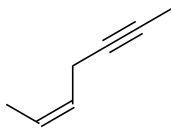
### Problem 68



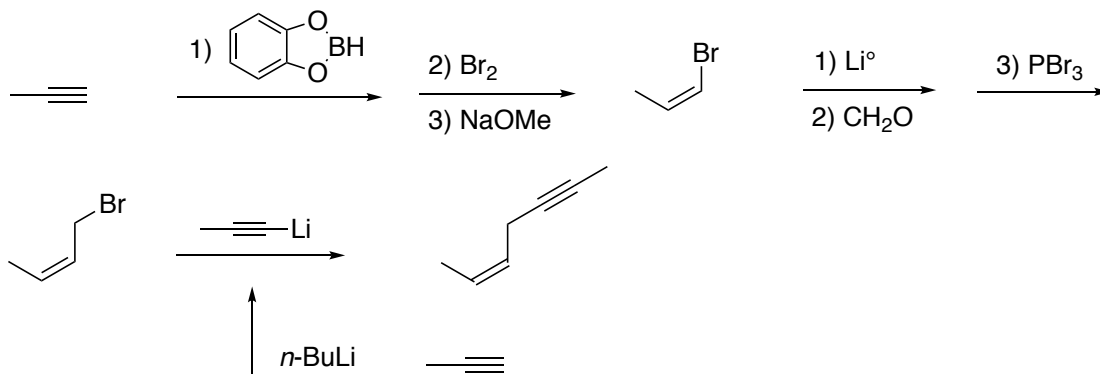
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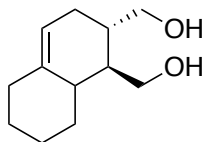
Problem 69



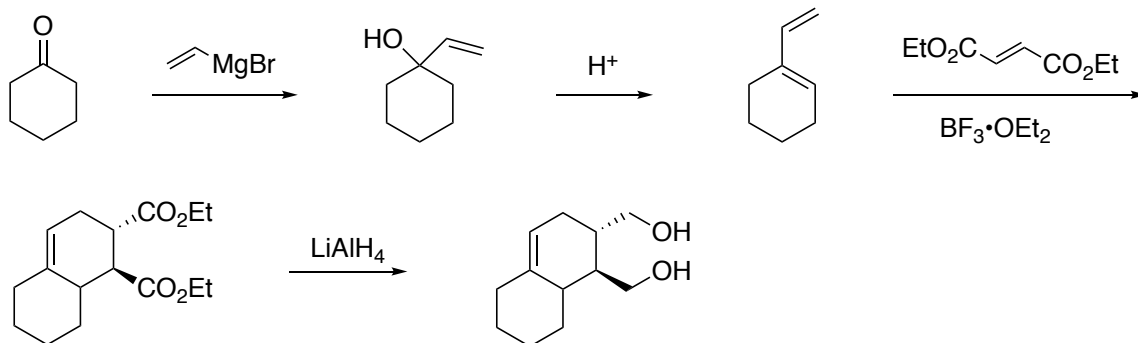
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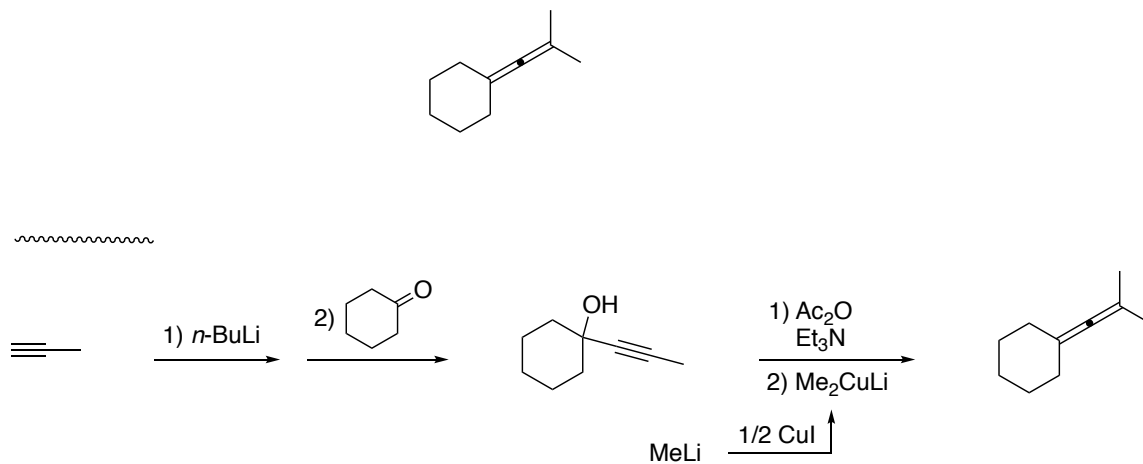
### Problem 71



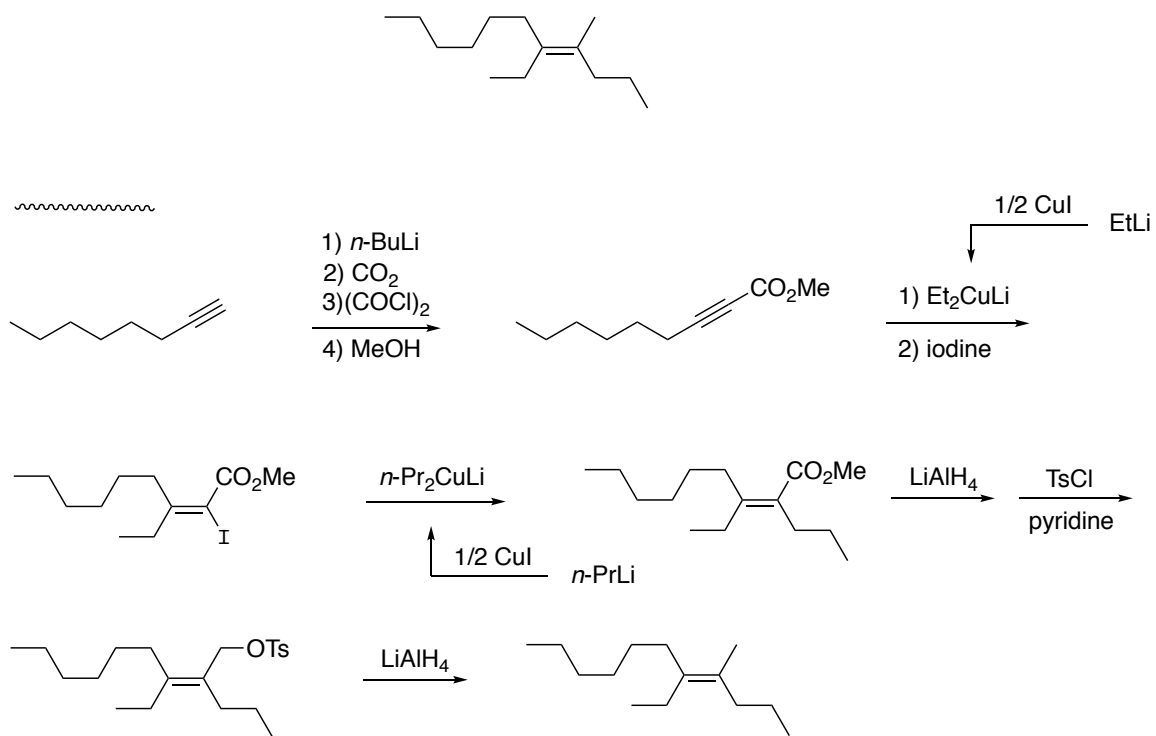
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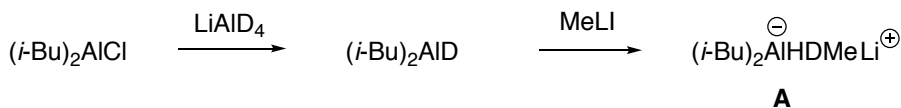
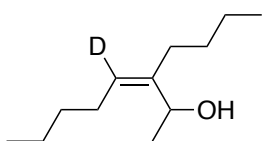
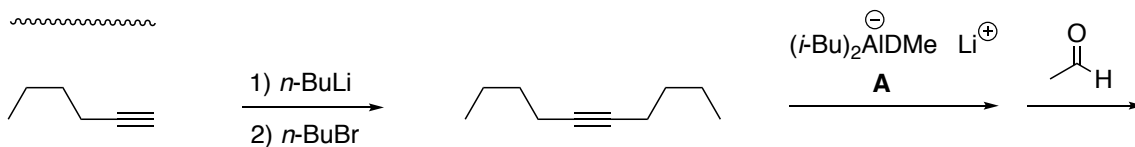
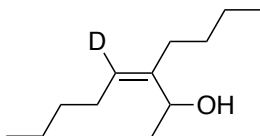
Problem 73



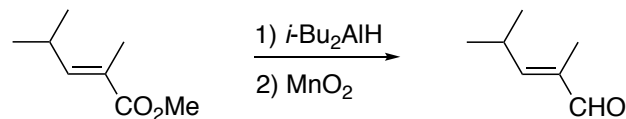
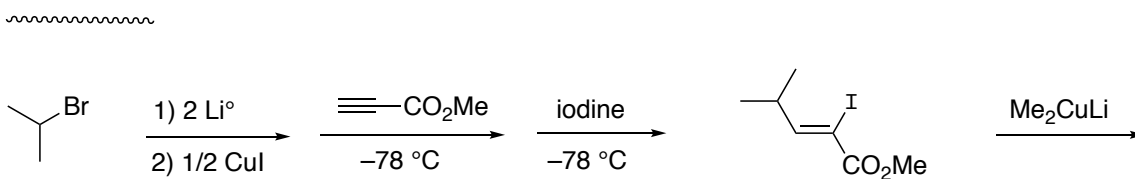
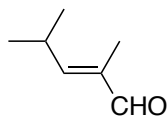
Problem 85



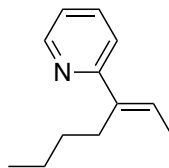
Problem 88



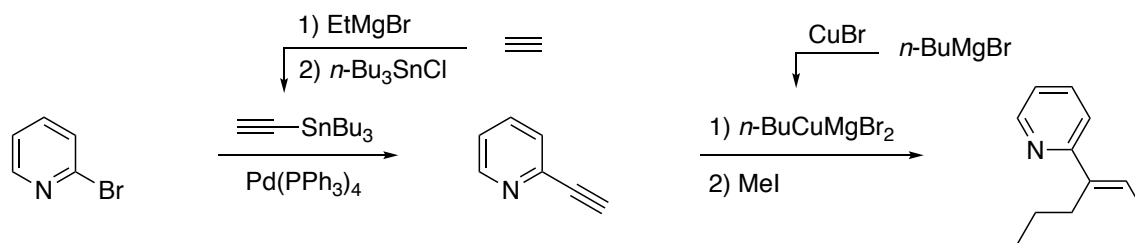
Problem 103



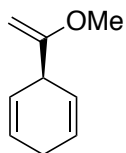
Problem 116



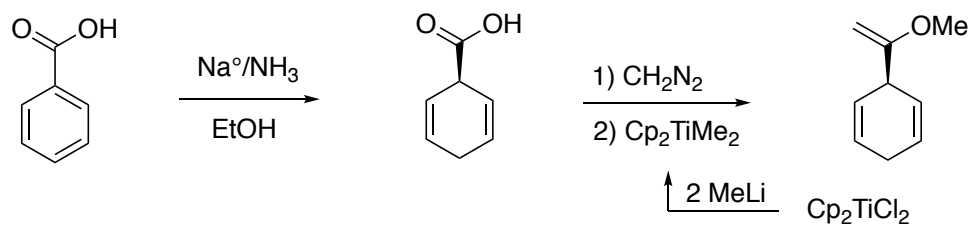
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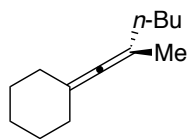
### Problem 119



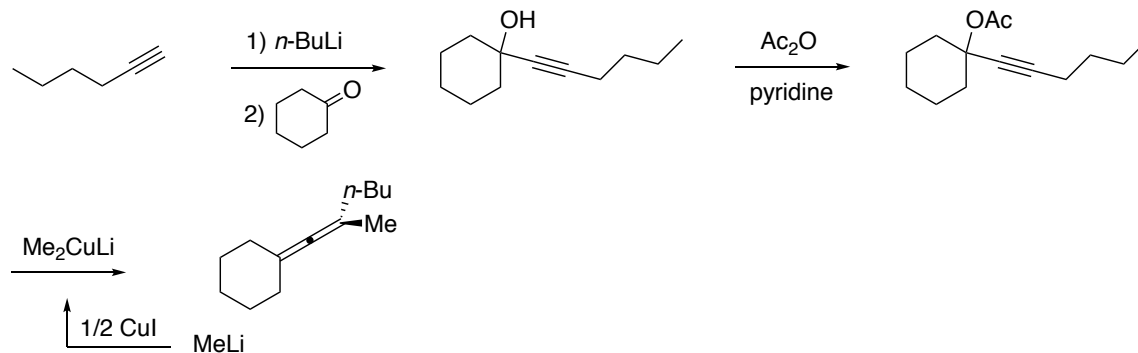
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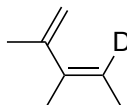
Problem 127



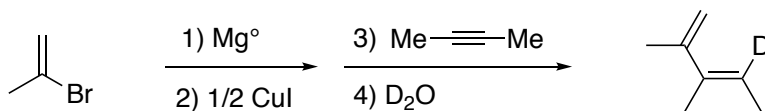
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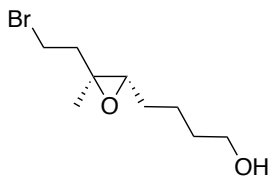
### Problem 129



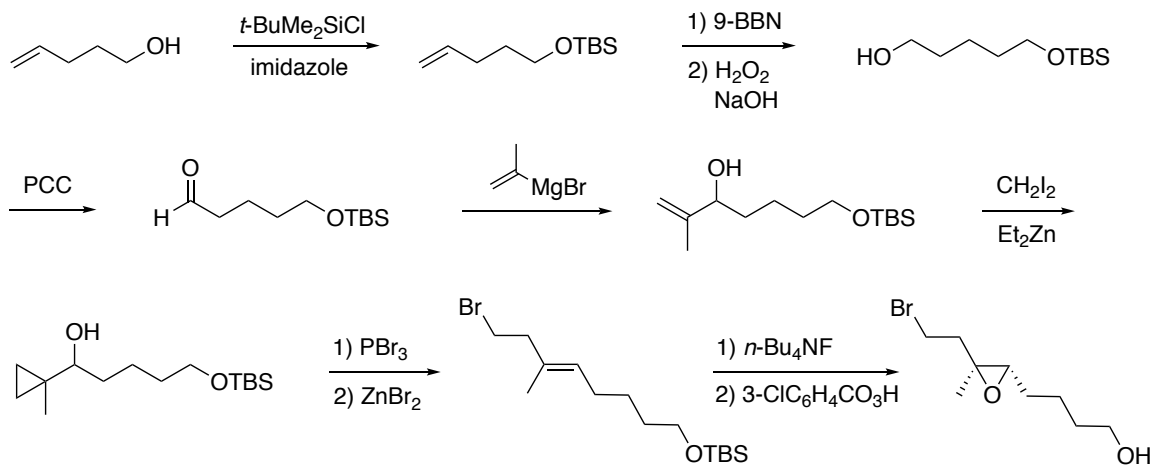
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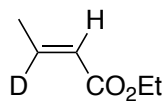
Problem 152



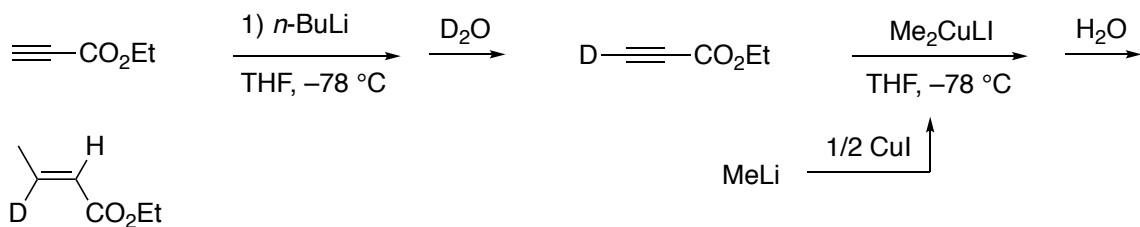
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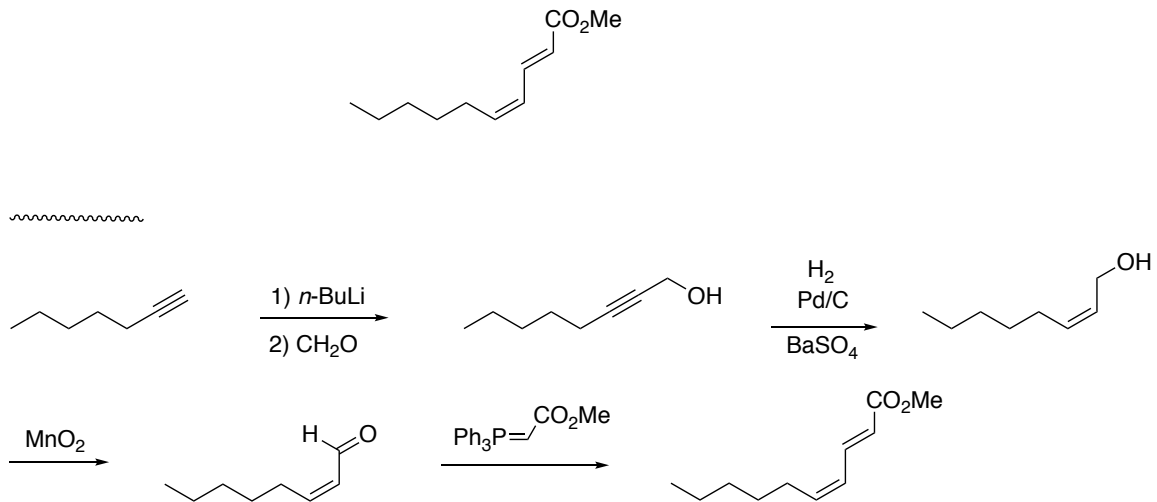
### Problem 167



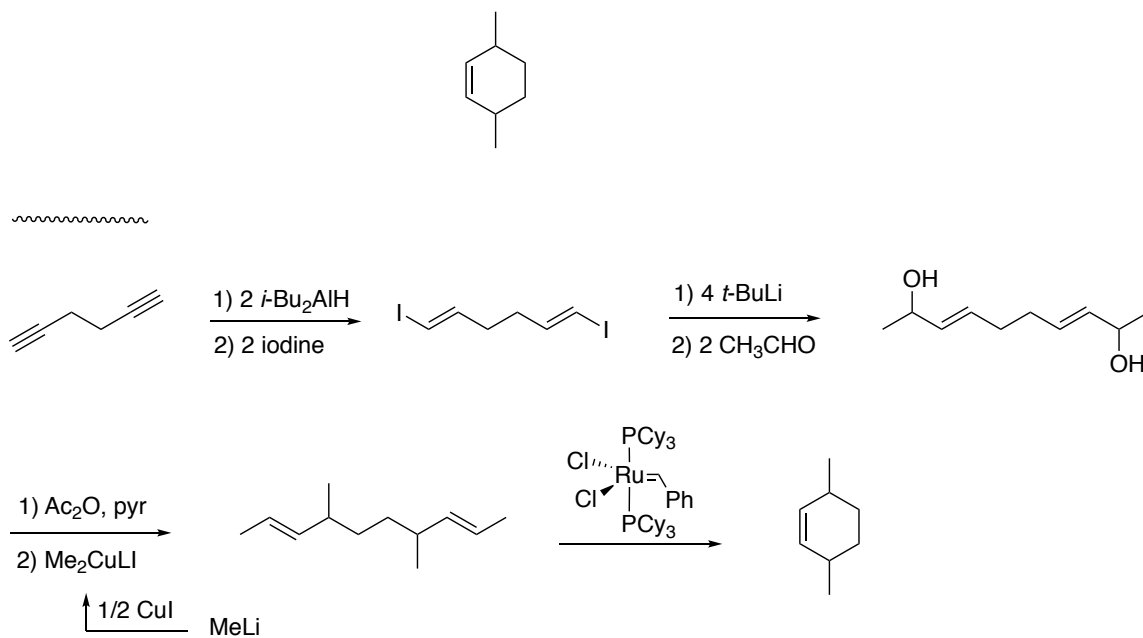
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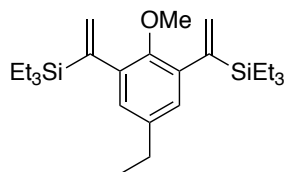
Problem 178



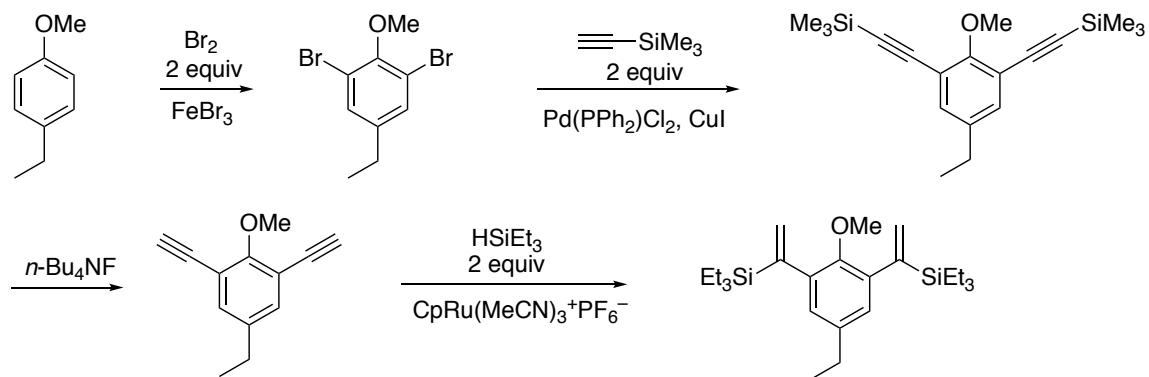
Problem 179



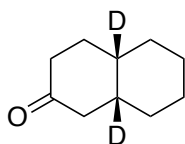
Problem 265



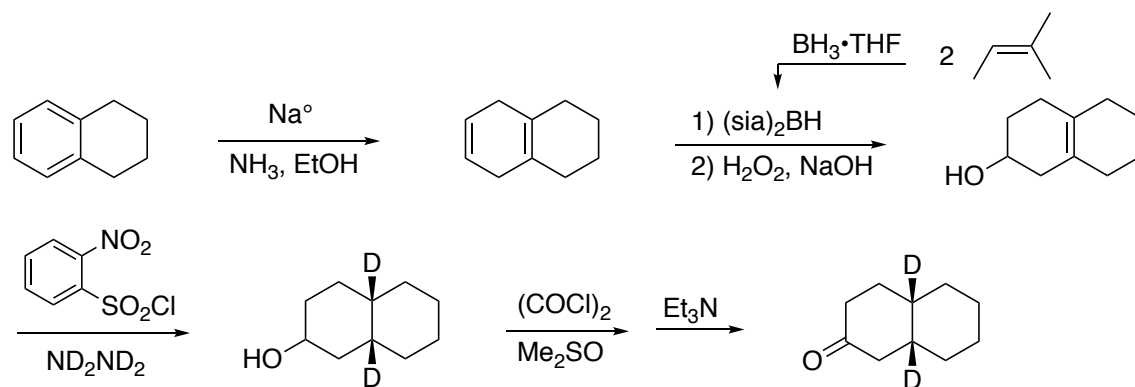
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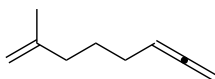
### Problem 396



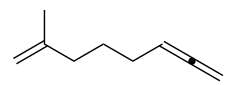
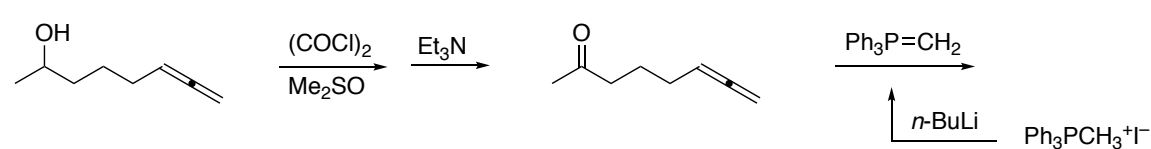
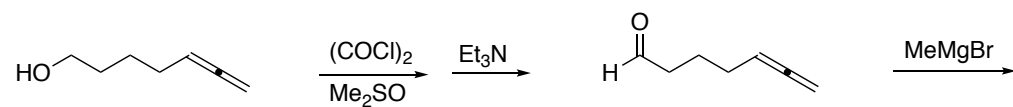
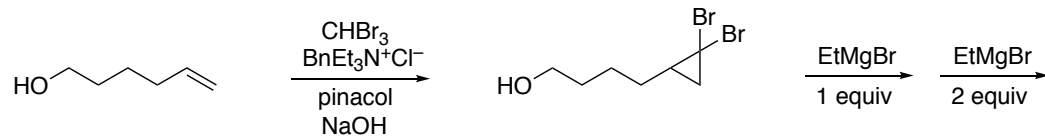
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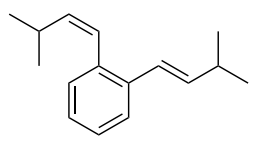
Problem 396



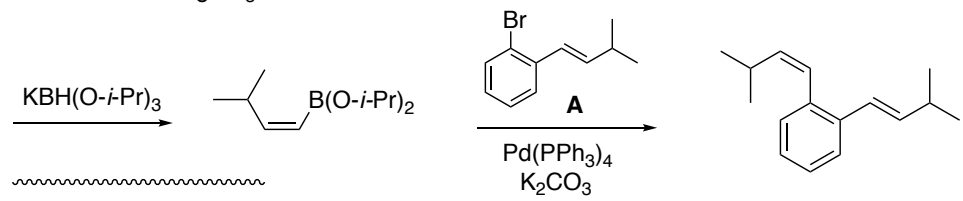
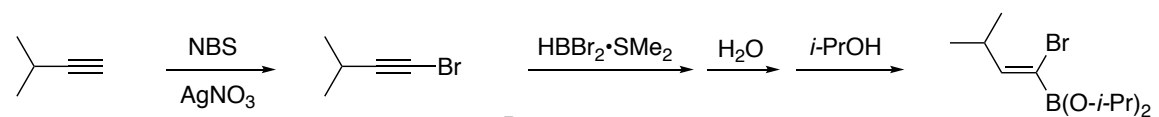
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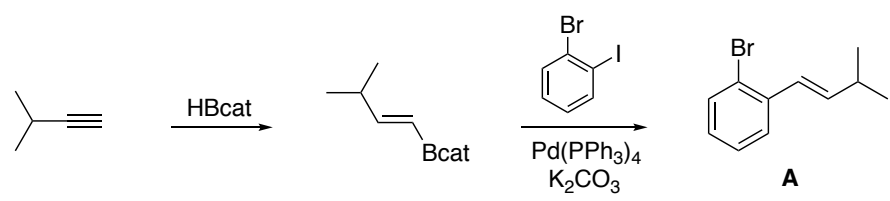
### Problem 405



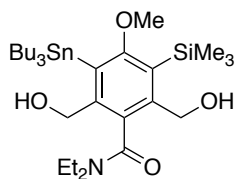
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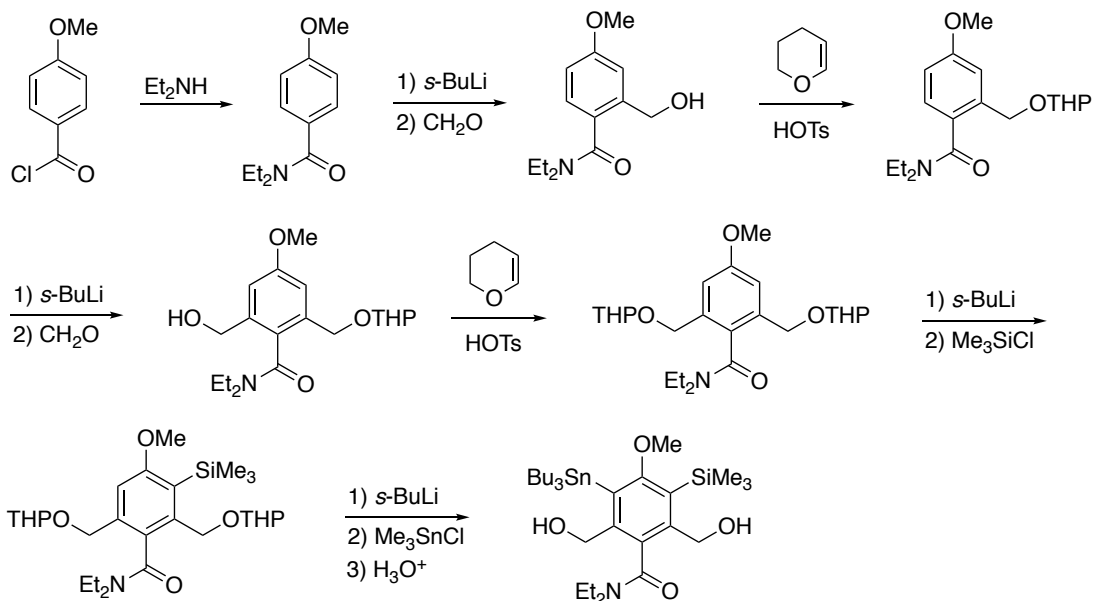
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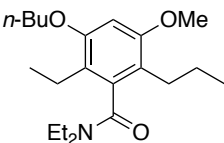
### Problem 412



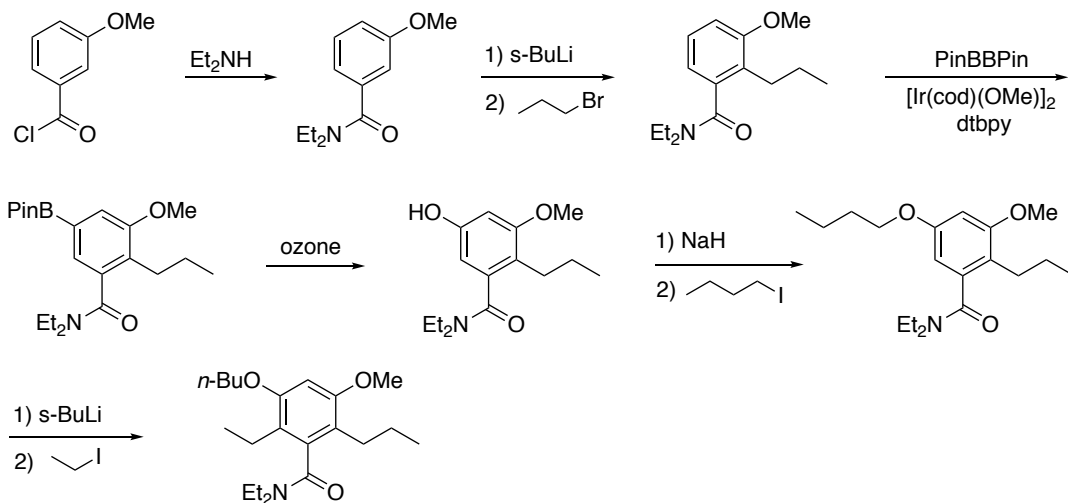
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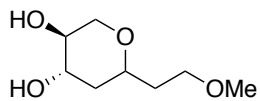
Problem 413



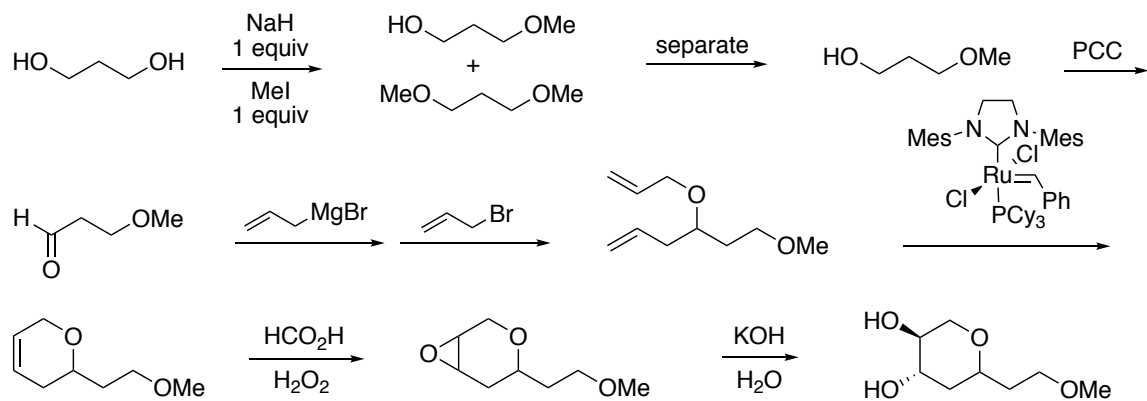
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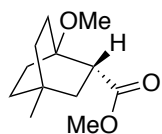
### Problem 418



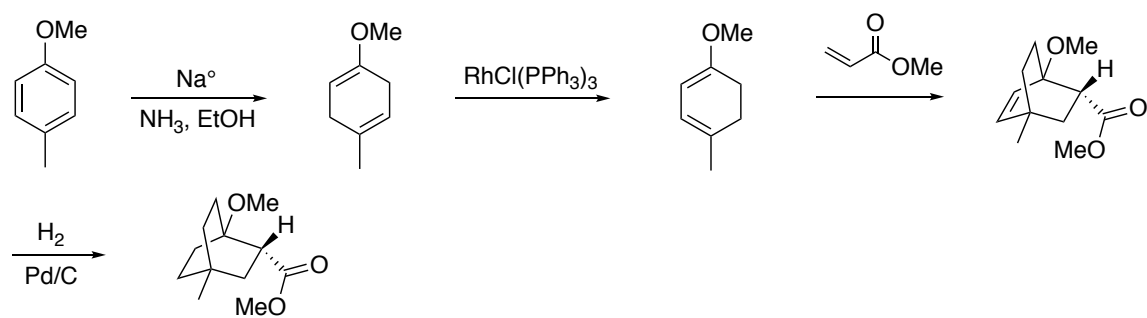
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Problem 419

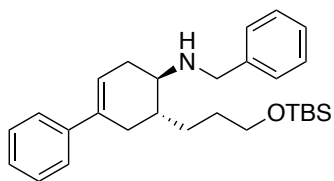


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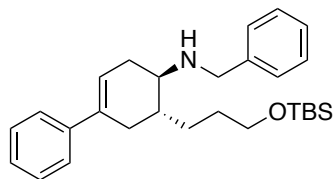
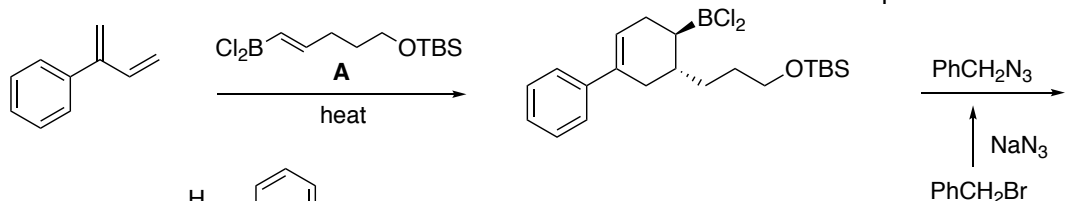
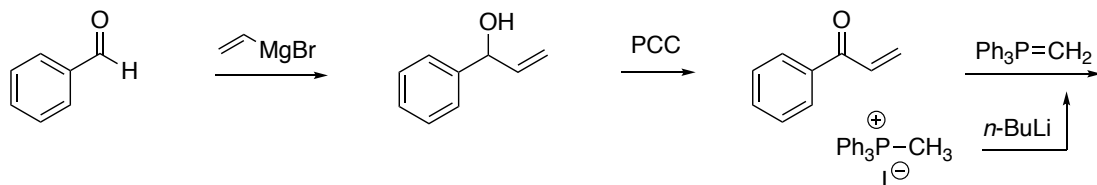




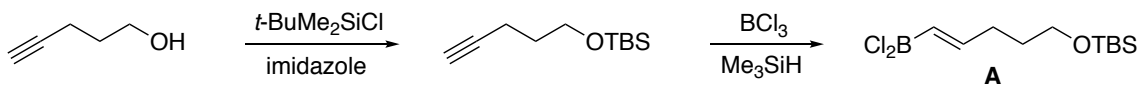
### Problem 420



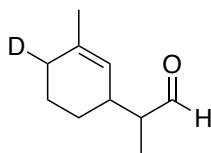
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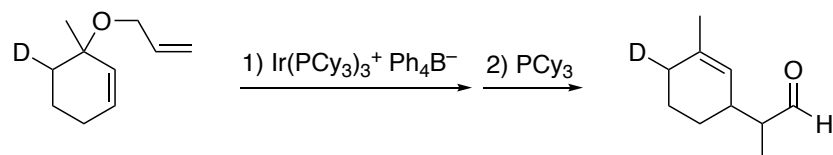
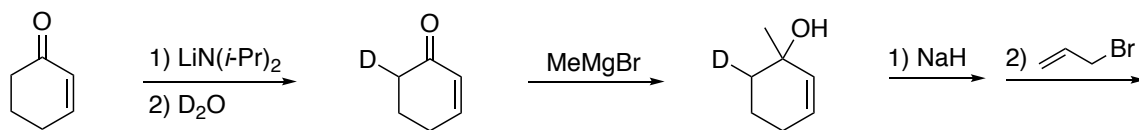
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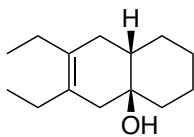
### Problem 421



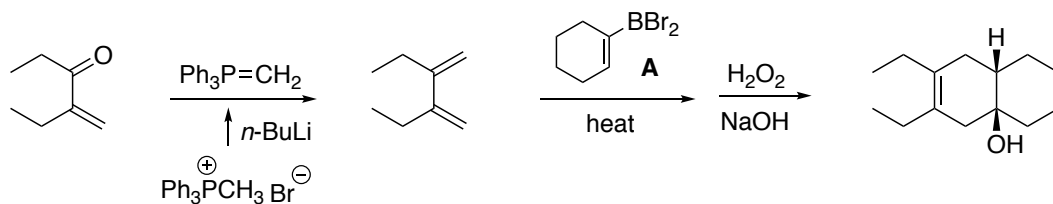
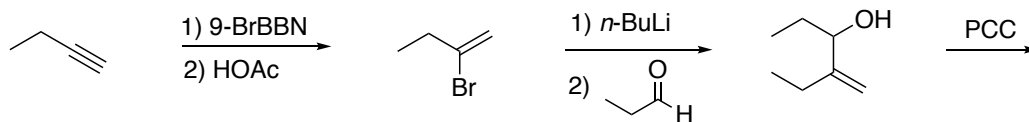
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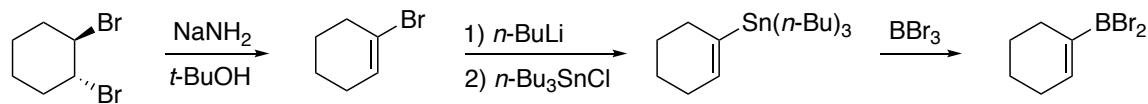
Problem 422



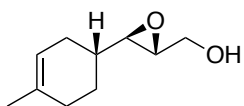
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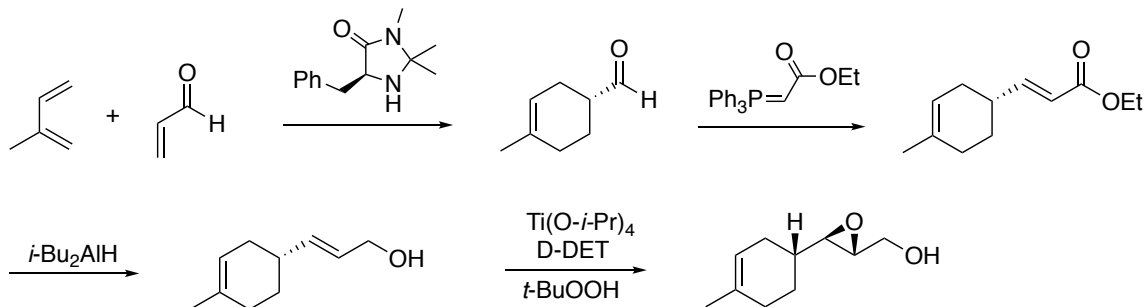


Problem 431

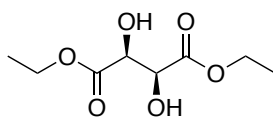


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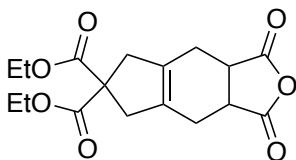


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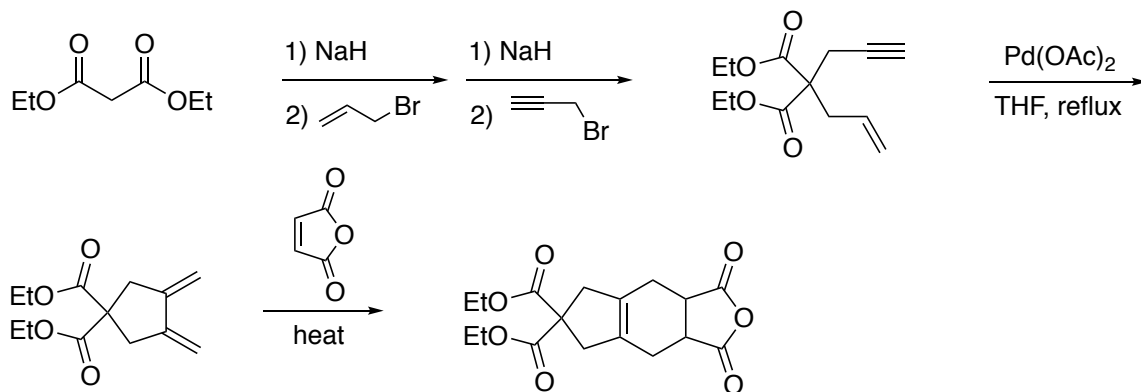


(-)-D-DET

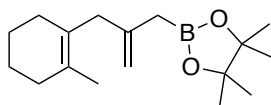
Problem 432



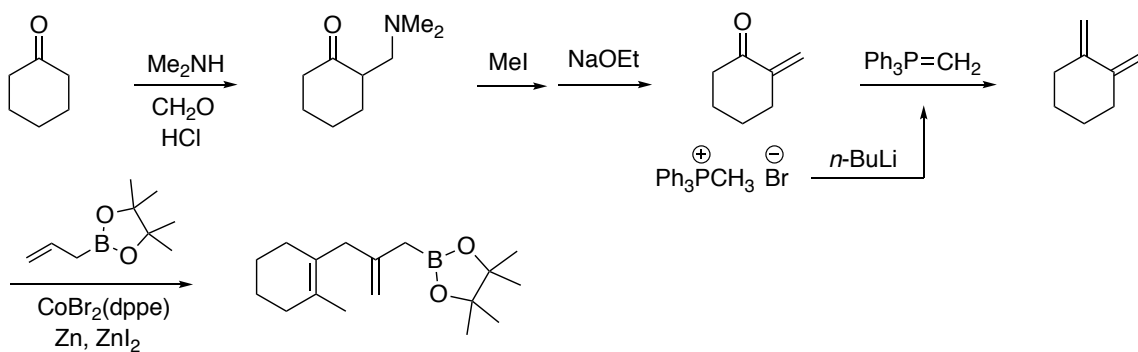
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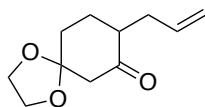
### Problem 435



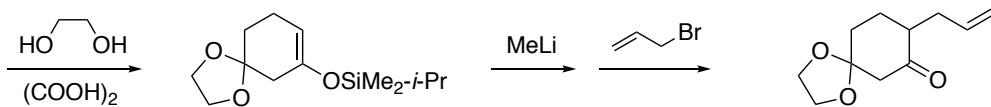
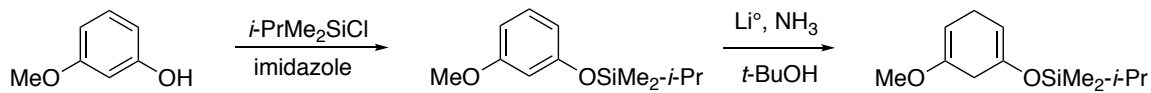
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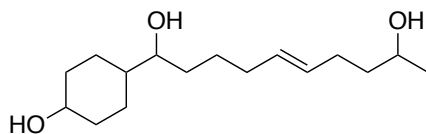
Problem 438



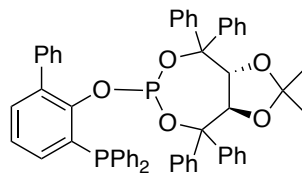
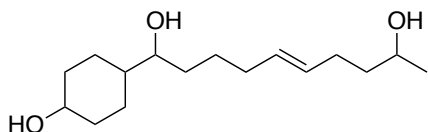
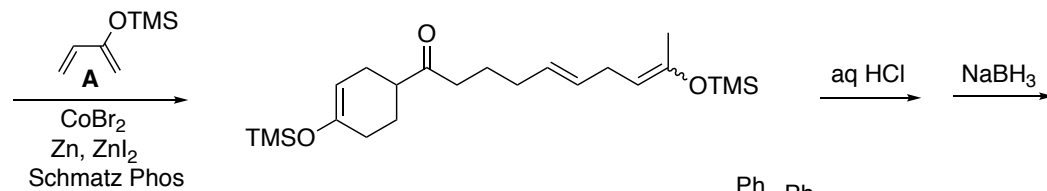
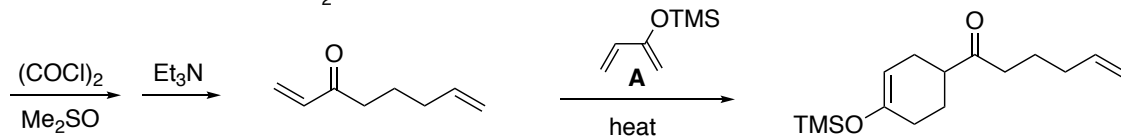
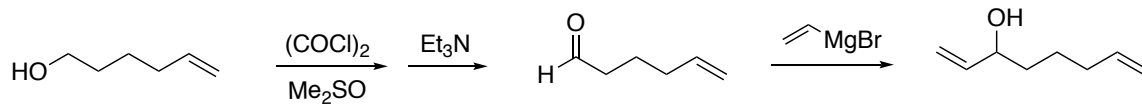
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### Problem 439

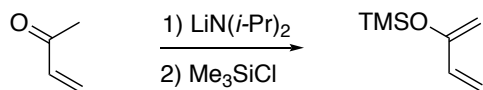


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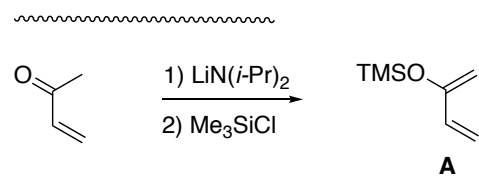
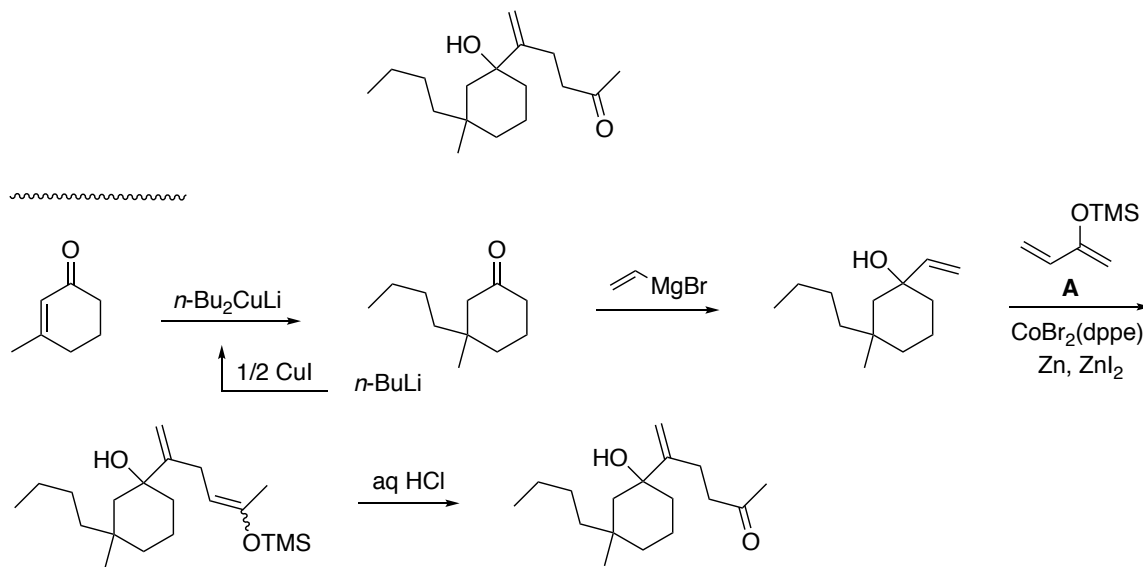


Schmalz Phos

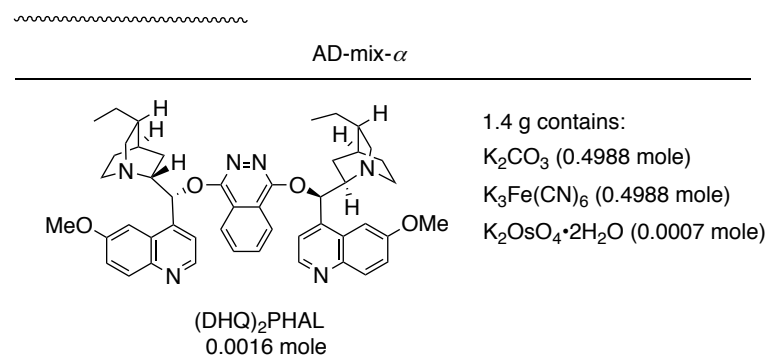
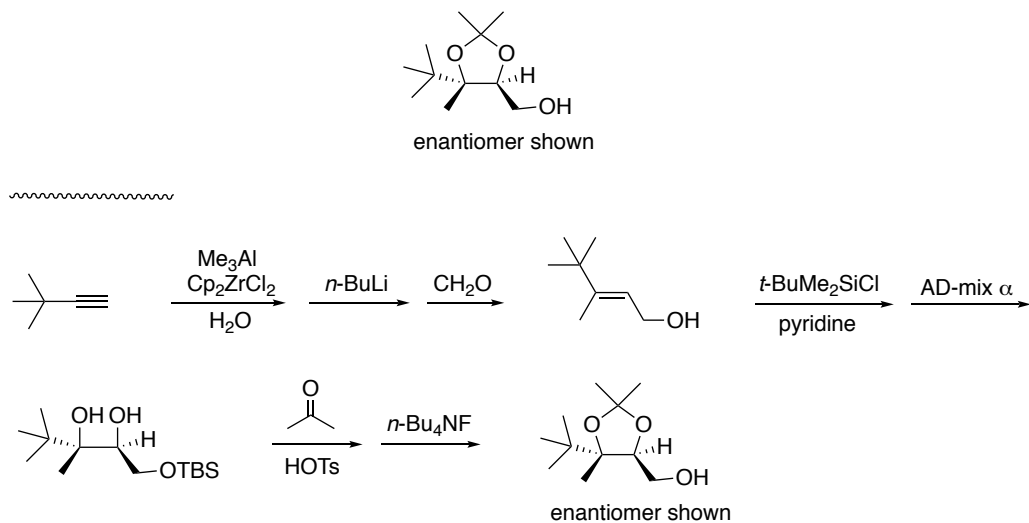
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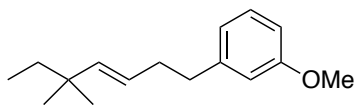
### Problem 440



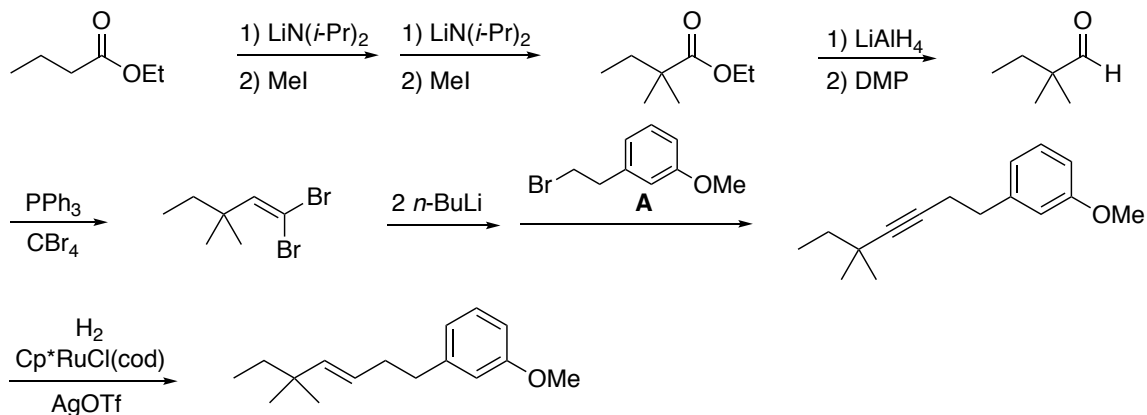
### Problem 443



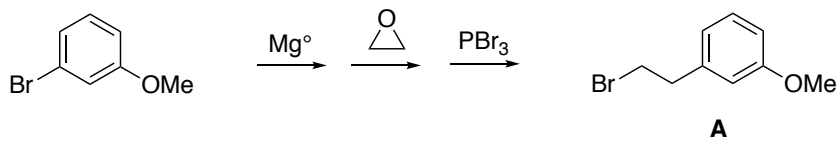
### Problem 444



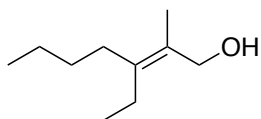
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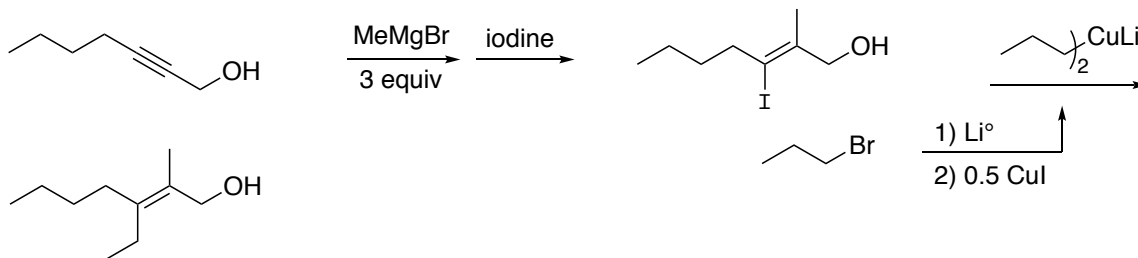
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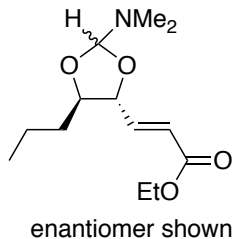
### Problem 445



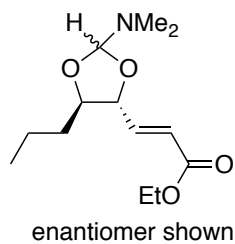
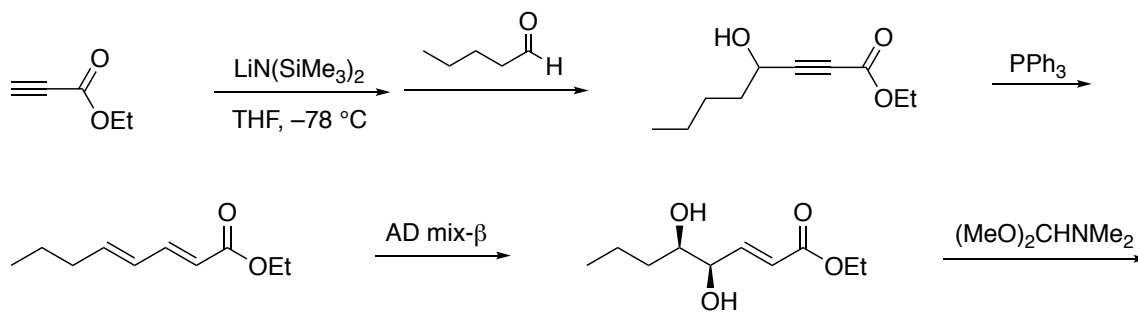
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Problem 457

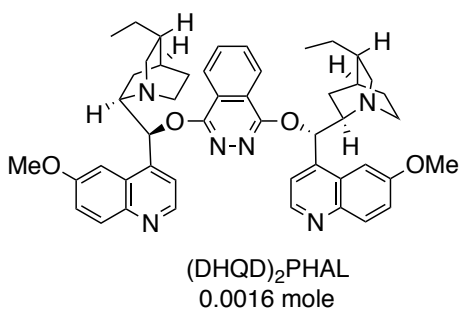


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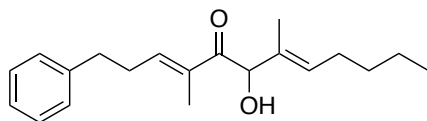
AD-mix-β



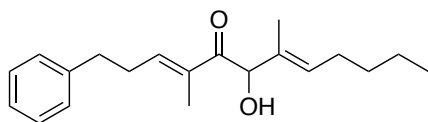
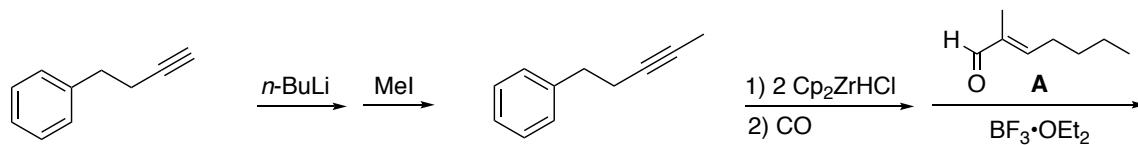
1.4 g contains:

- K₂CO₃ (0.4988 mole)
- K₃Fe(CN)₆ (0.4988 mole)
- K₂OsO₄·2H₂O (0.0007 mole)

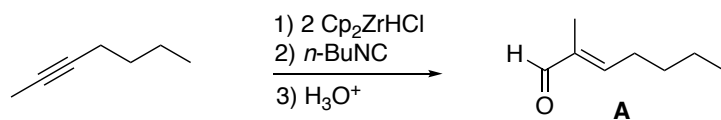
Problem 446



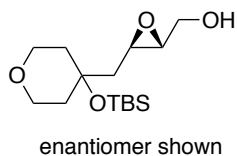
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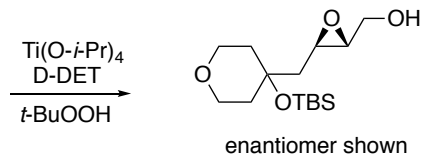
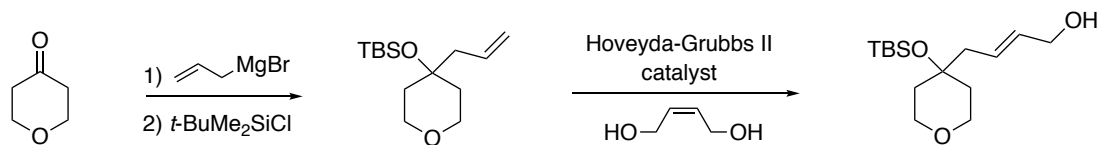
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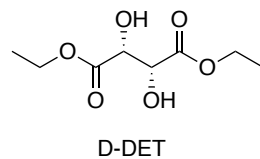
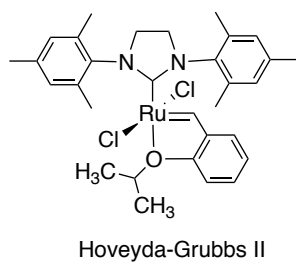
Problem 450



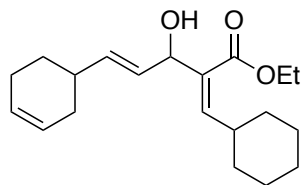
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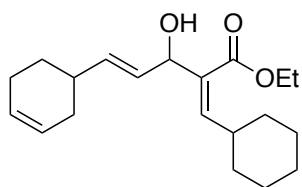
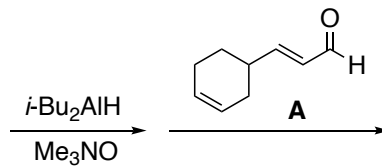
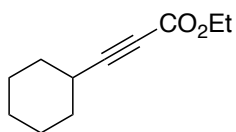
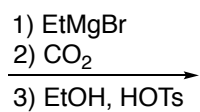
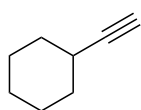
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Problem 456



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