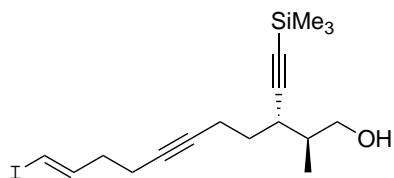
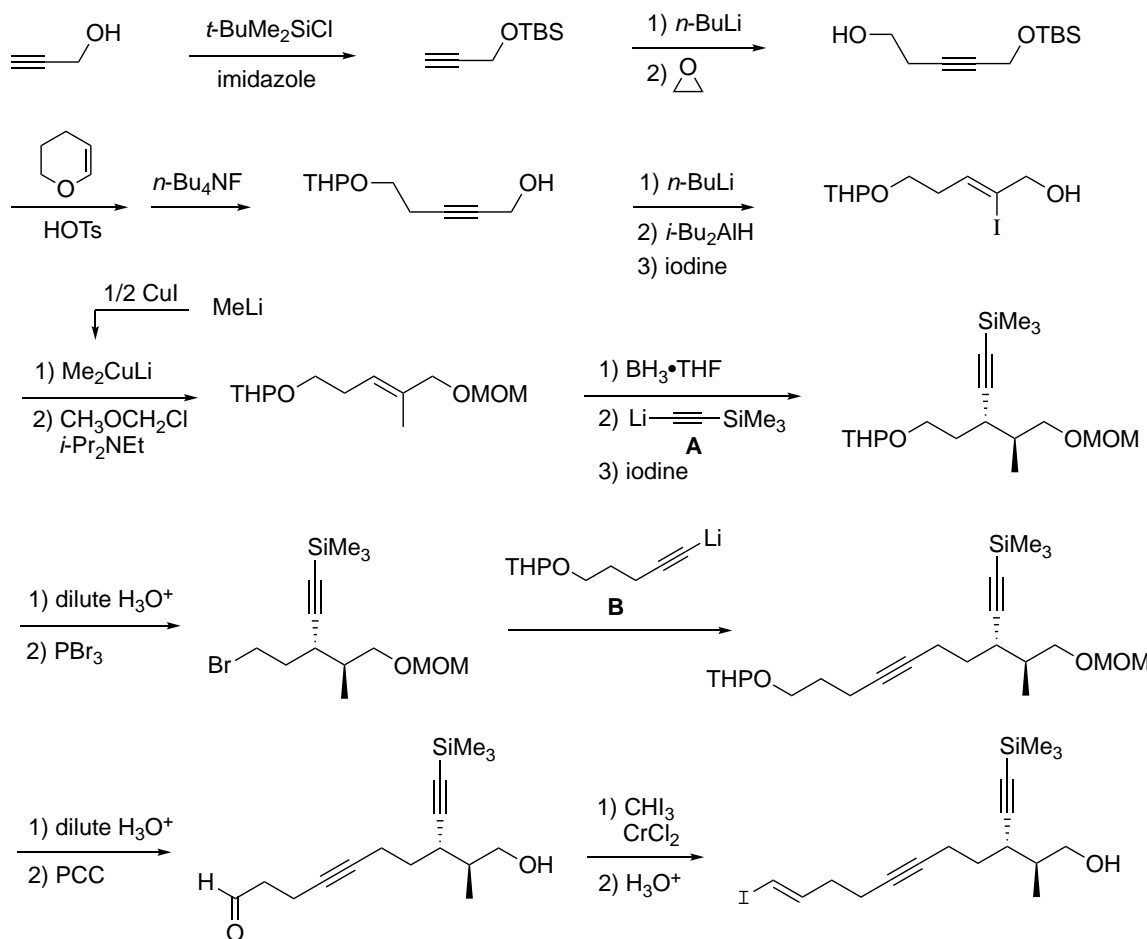


Alkyne Problem Bank: Grande Suggested Answers

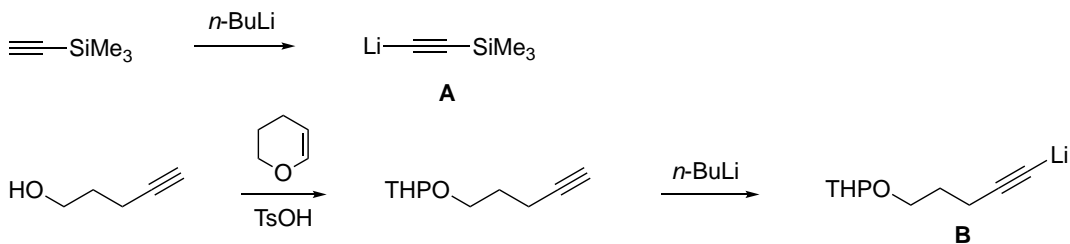
Problem 59 G



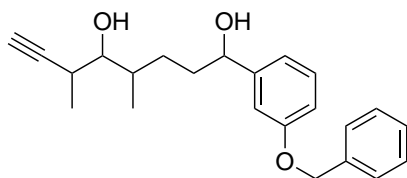
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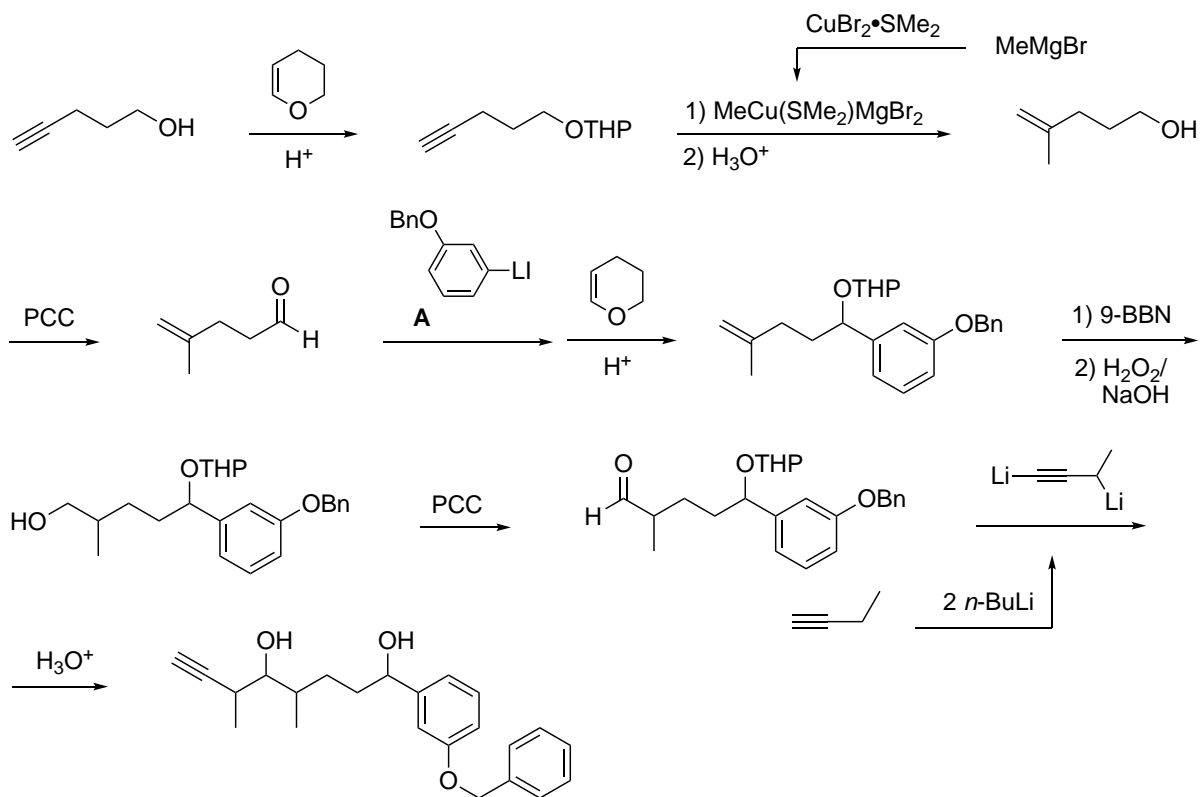
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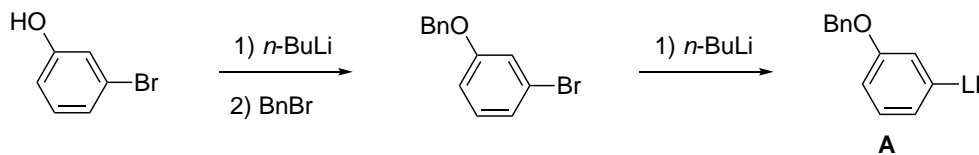
Problem 75 G



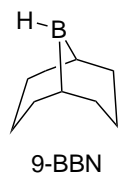
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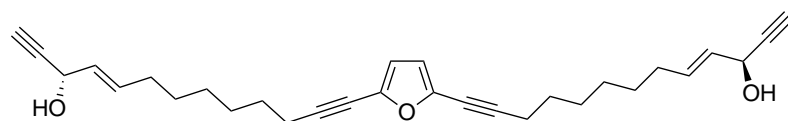
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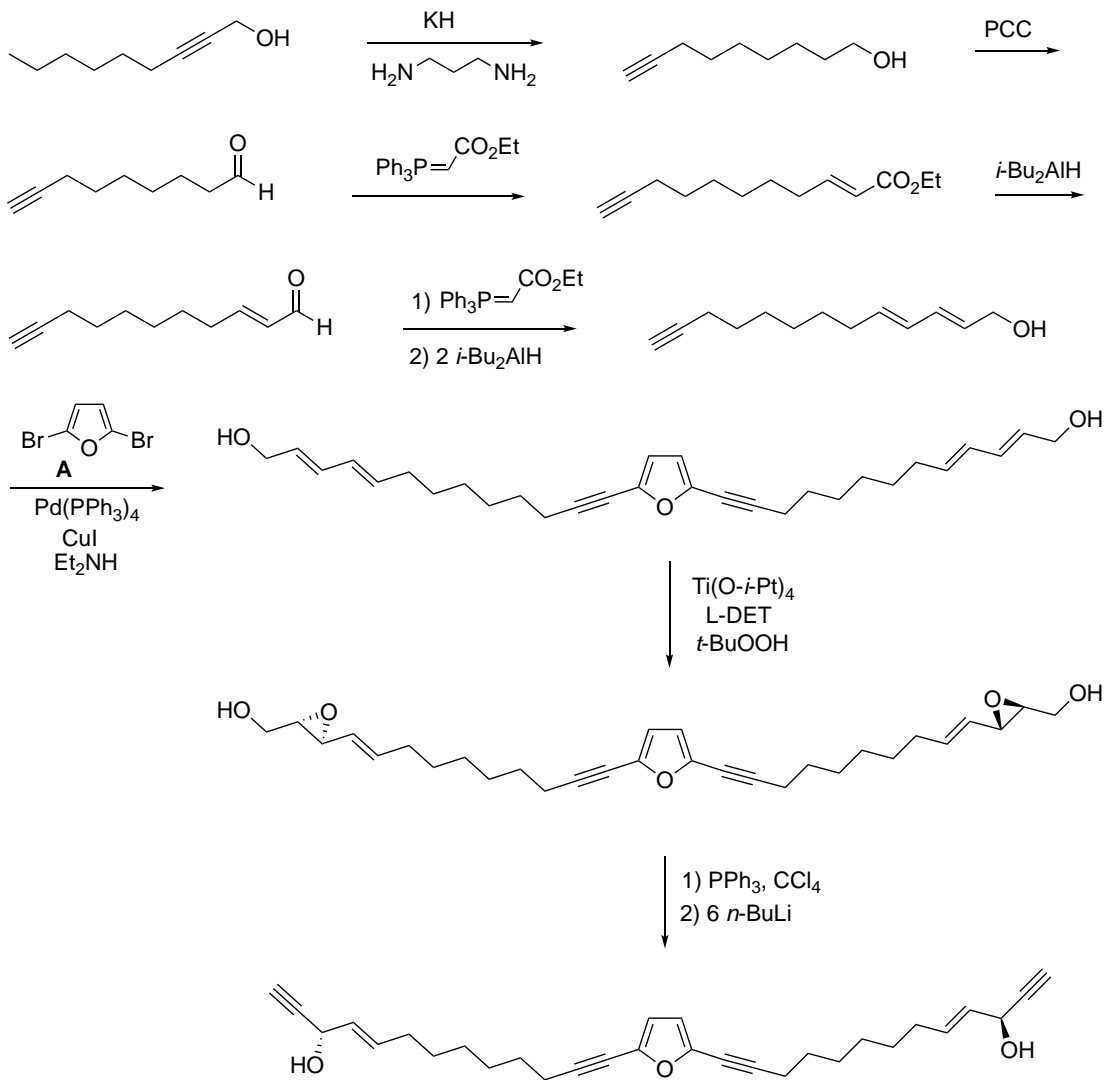


### Problem 109 G

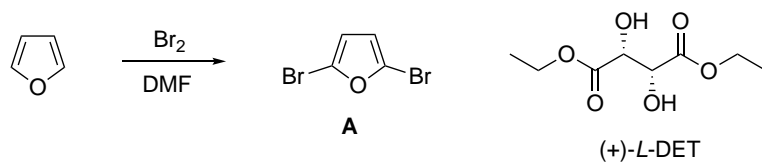


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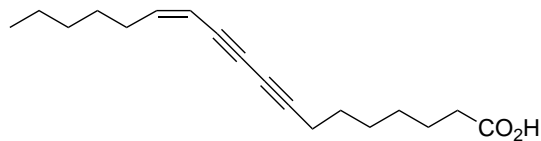
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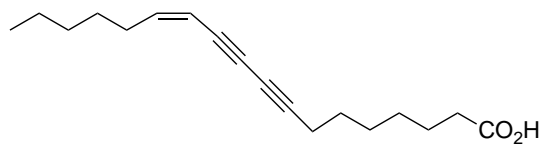
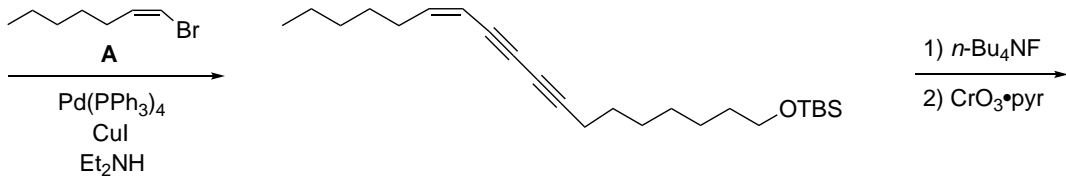
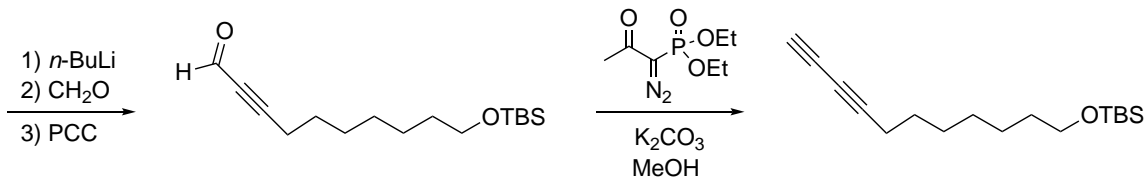
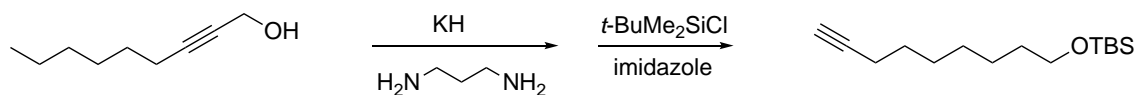
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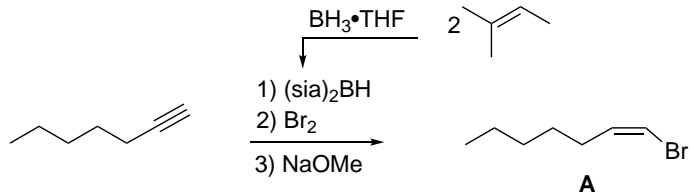
**Problem 111 G**



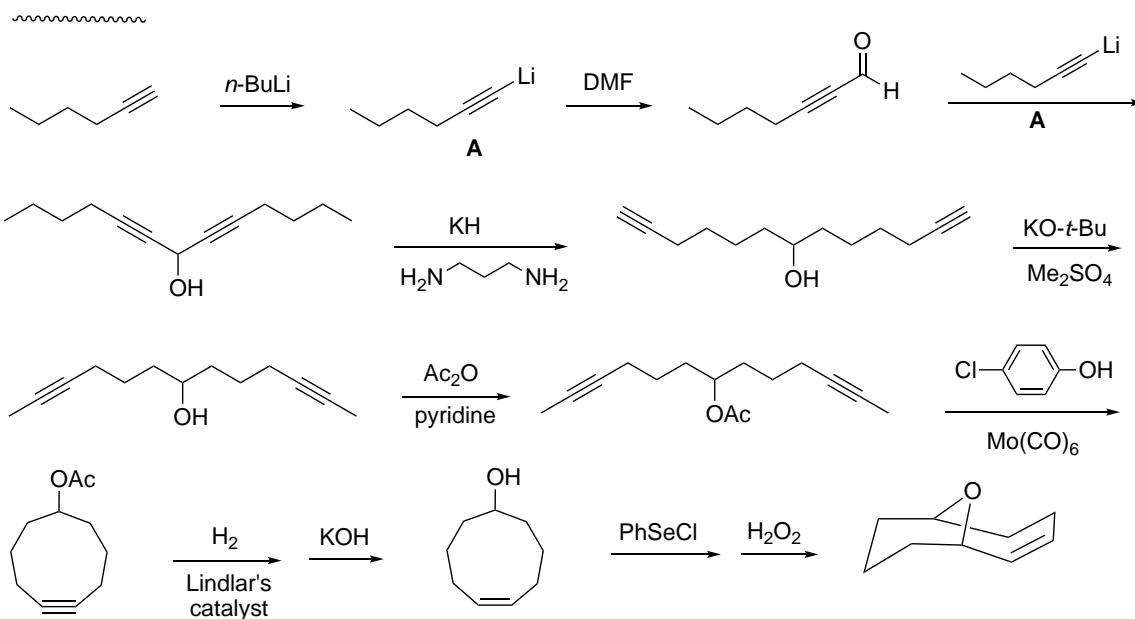
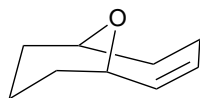
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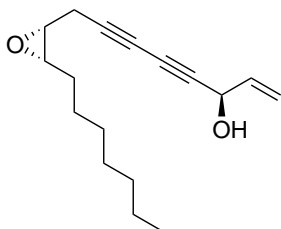
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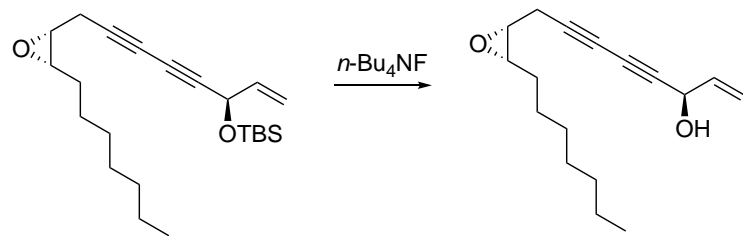
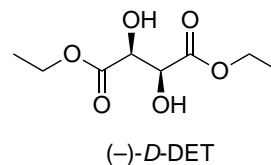
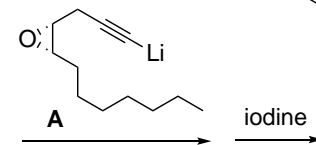
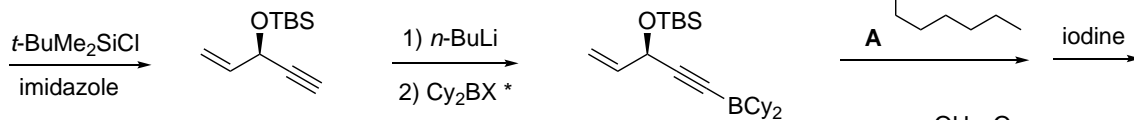
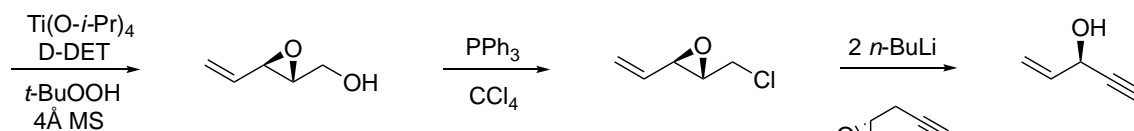
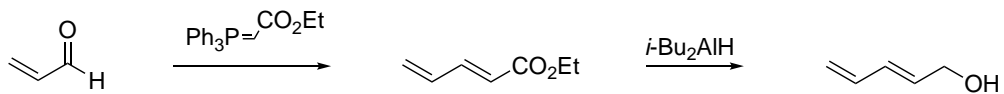
**Problem 113 G**



### Problem 115 G

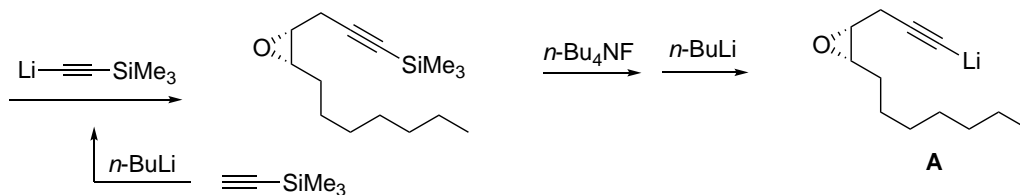
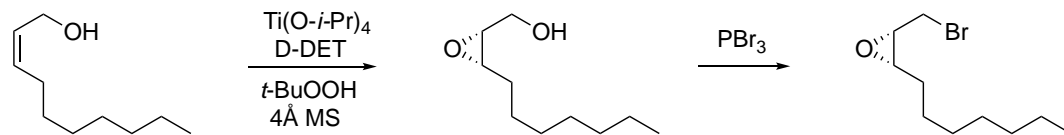
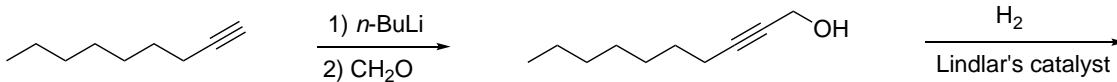


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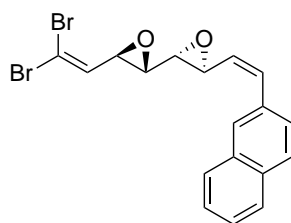
* This won't work when X is a halide, but will work for X = —SR (*Tetrahedron Lett.* **1976**, *17*, 4385). Credit will be given for halide.

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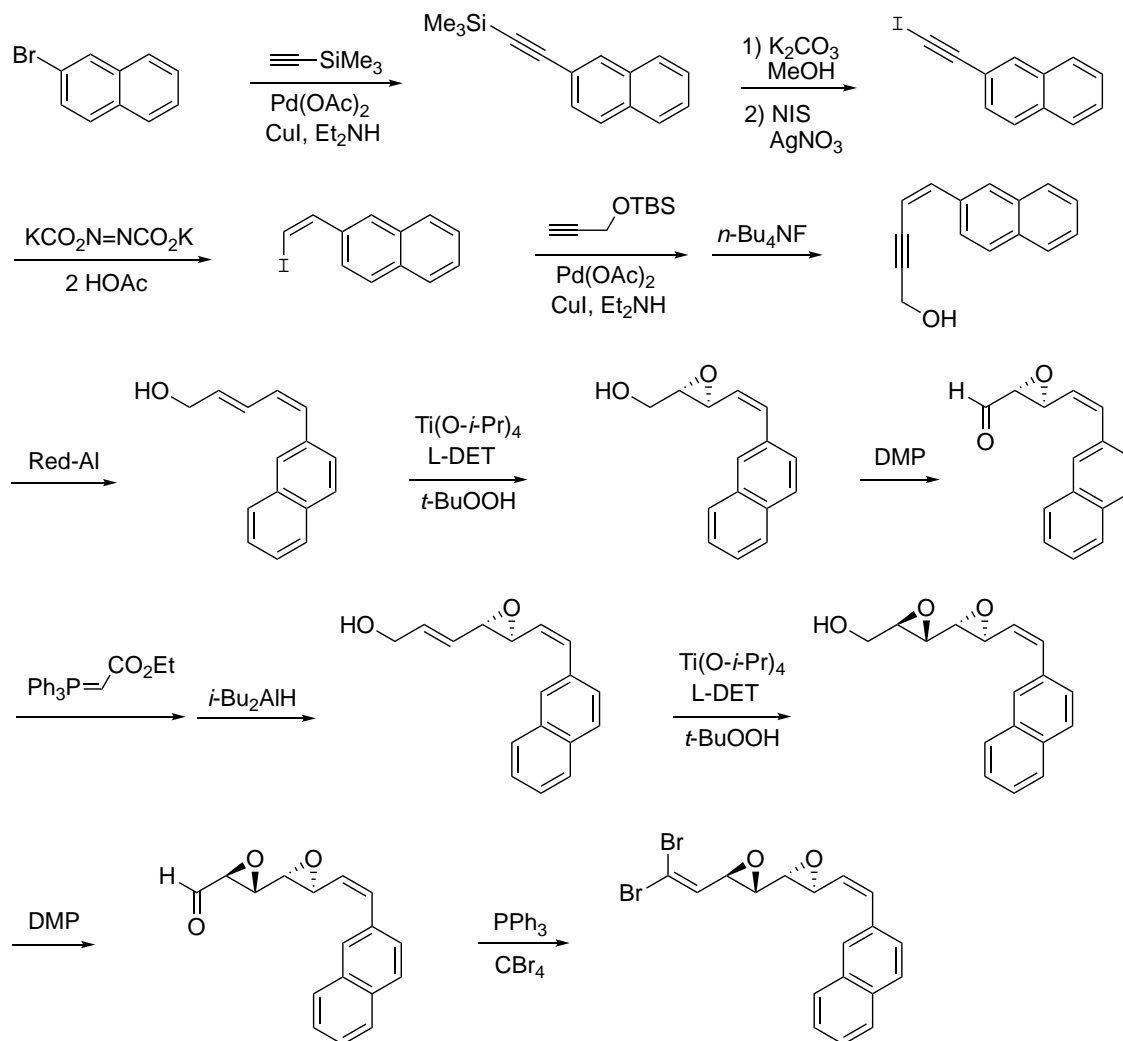
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Problem 195 G



enantiomer shown

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