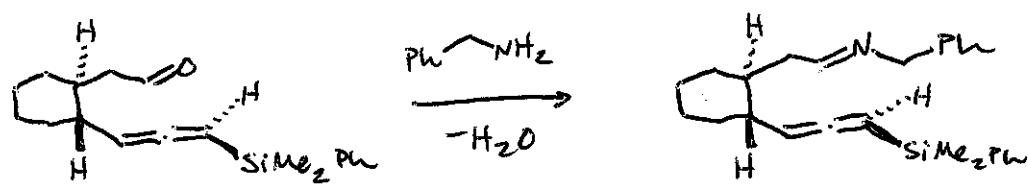
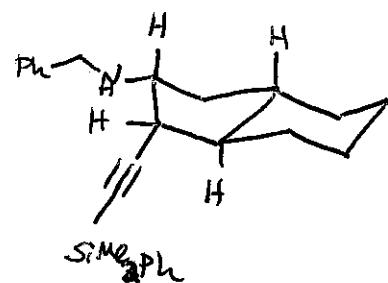
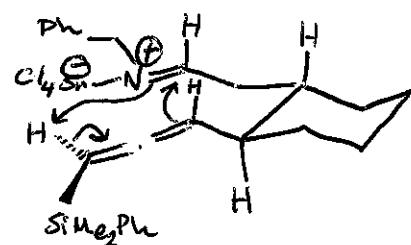


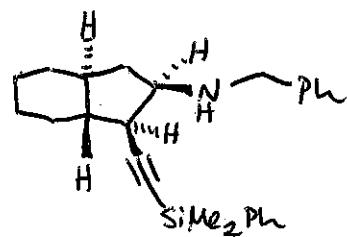
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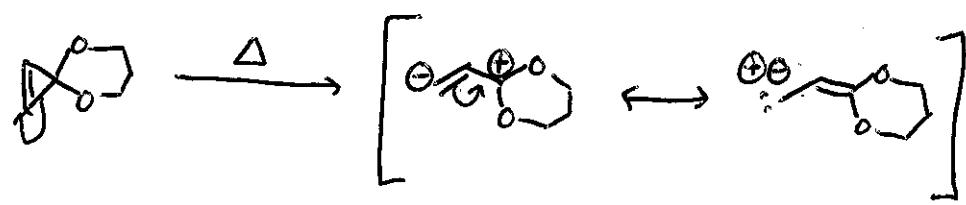
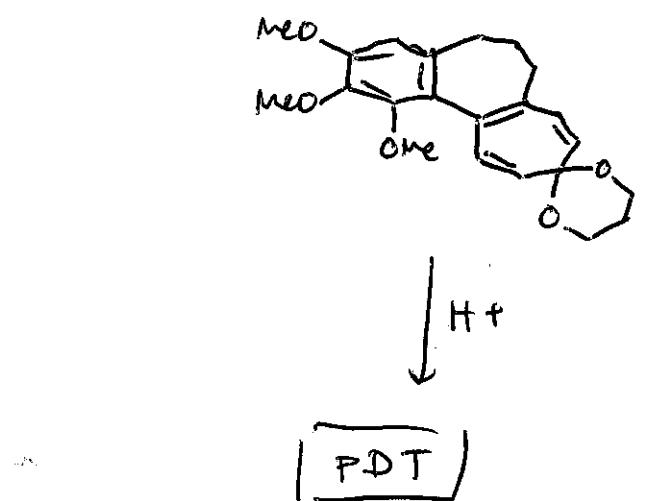
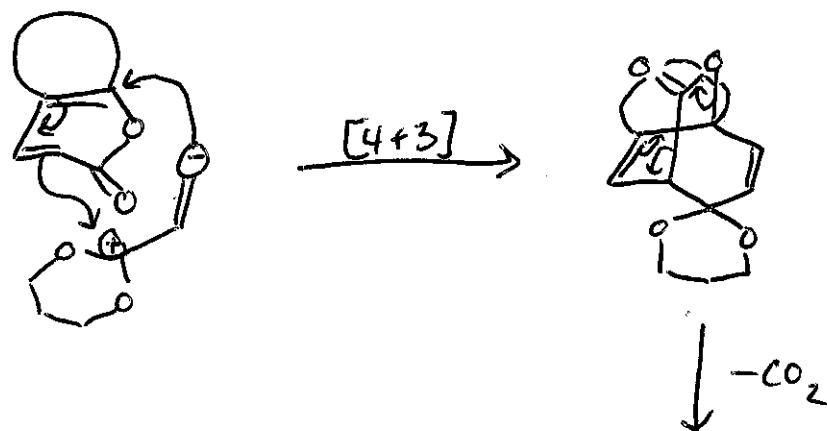
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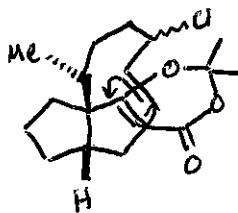
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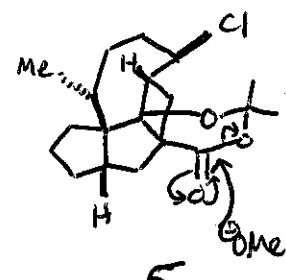
(2)

singlet carbene

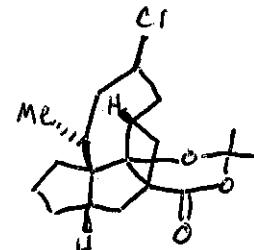
(3)



$\xrightarrow{h\nu}$   
[2+2]

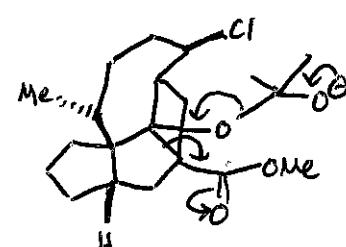


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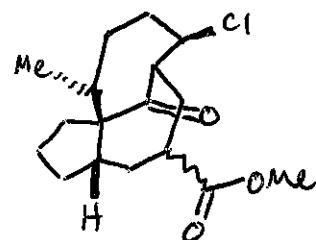


2

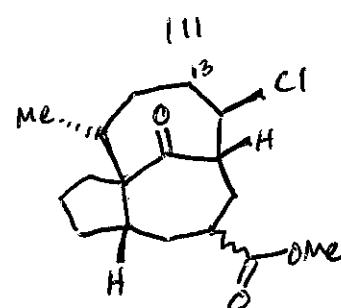
$K_2CO_3$   
MeOH

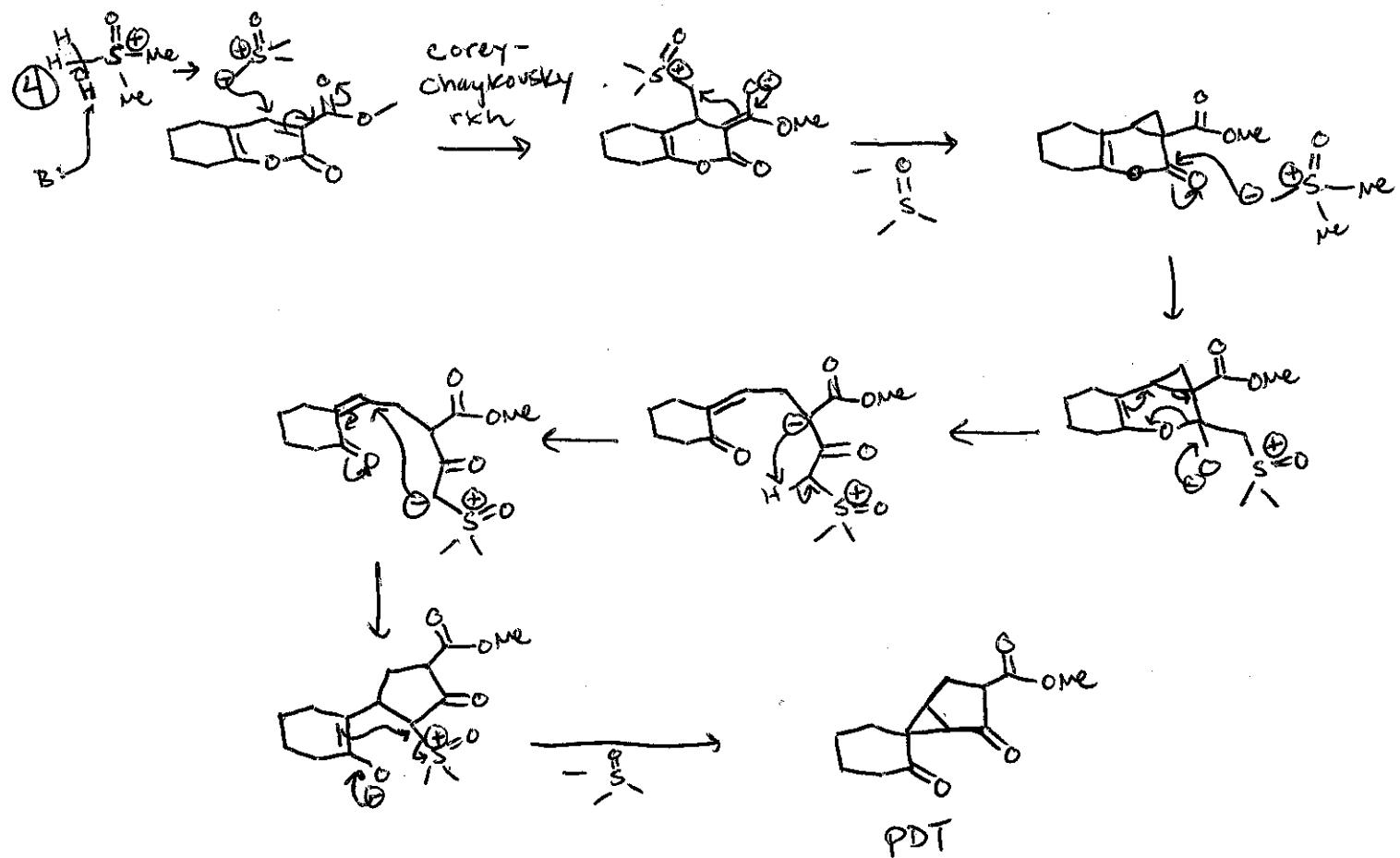


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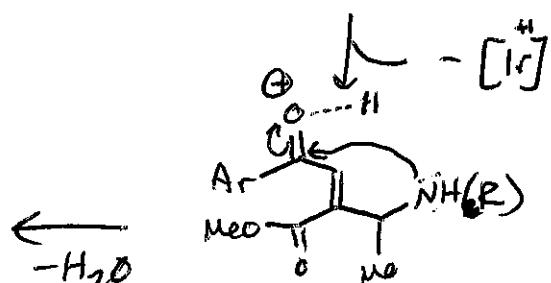
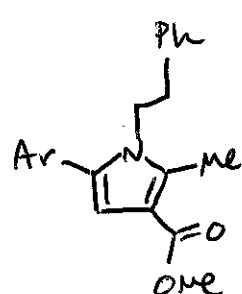
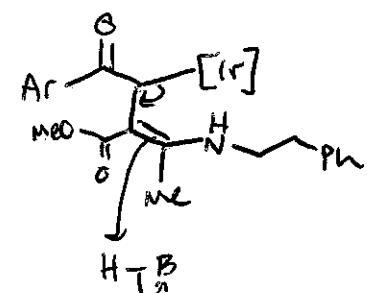
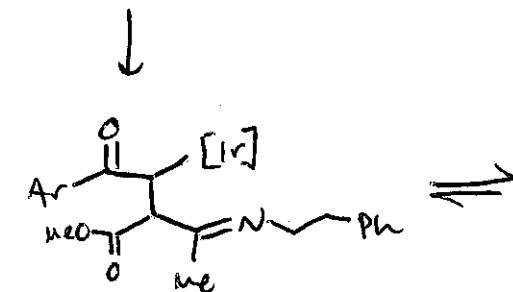
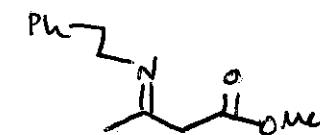
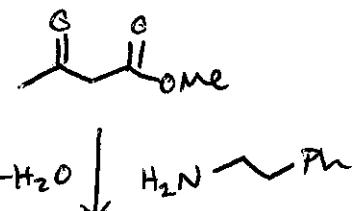
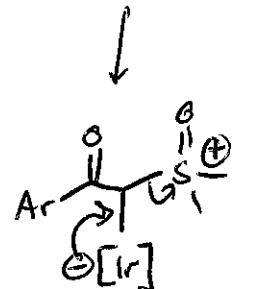
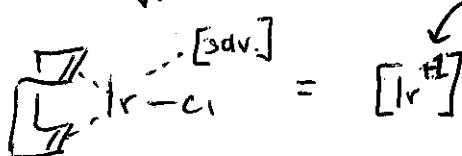
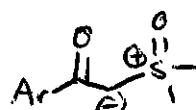
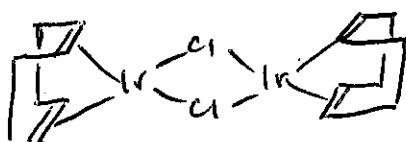


C-13 chloro  
isomer

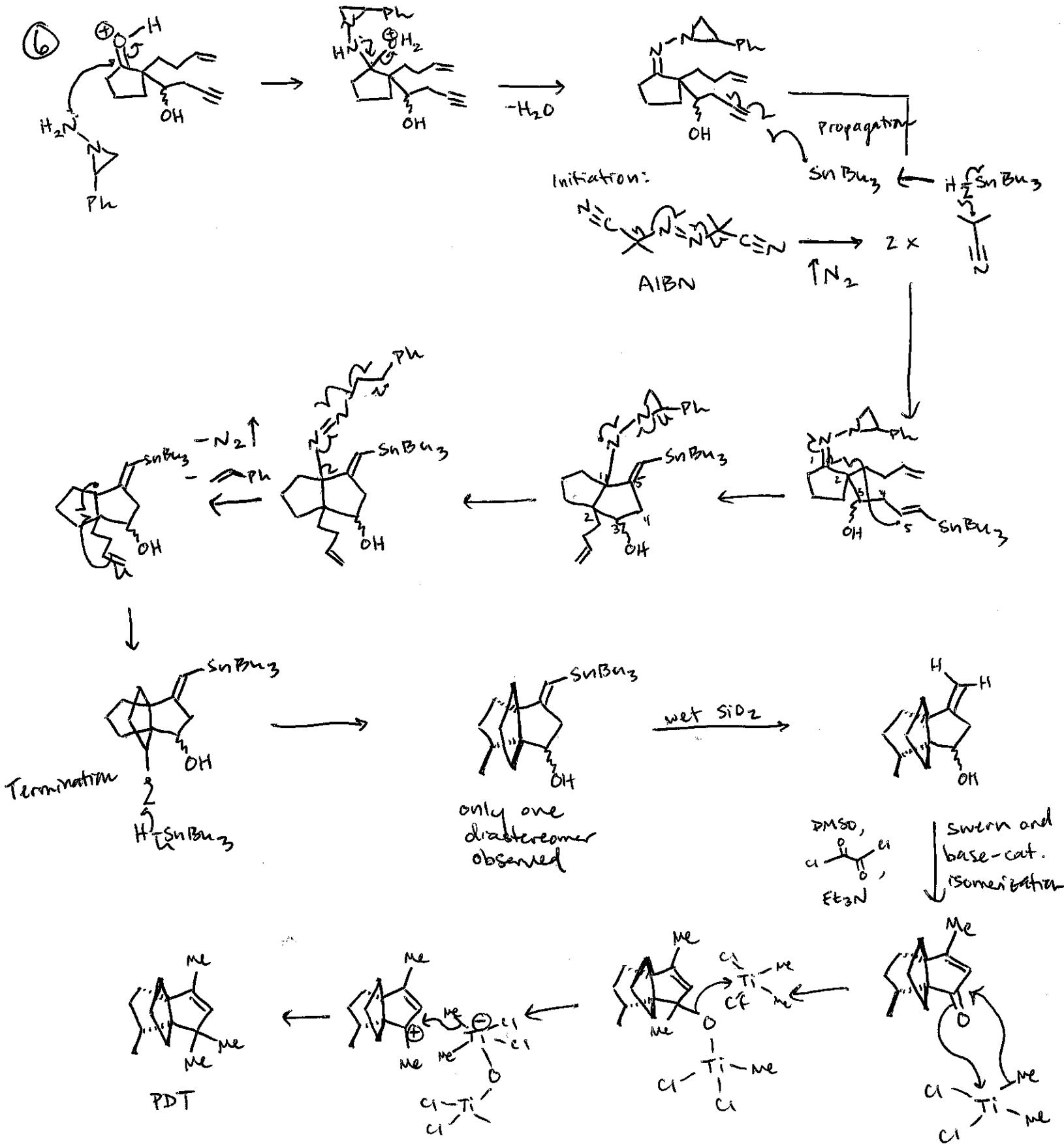




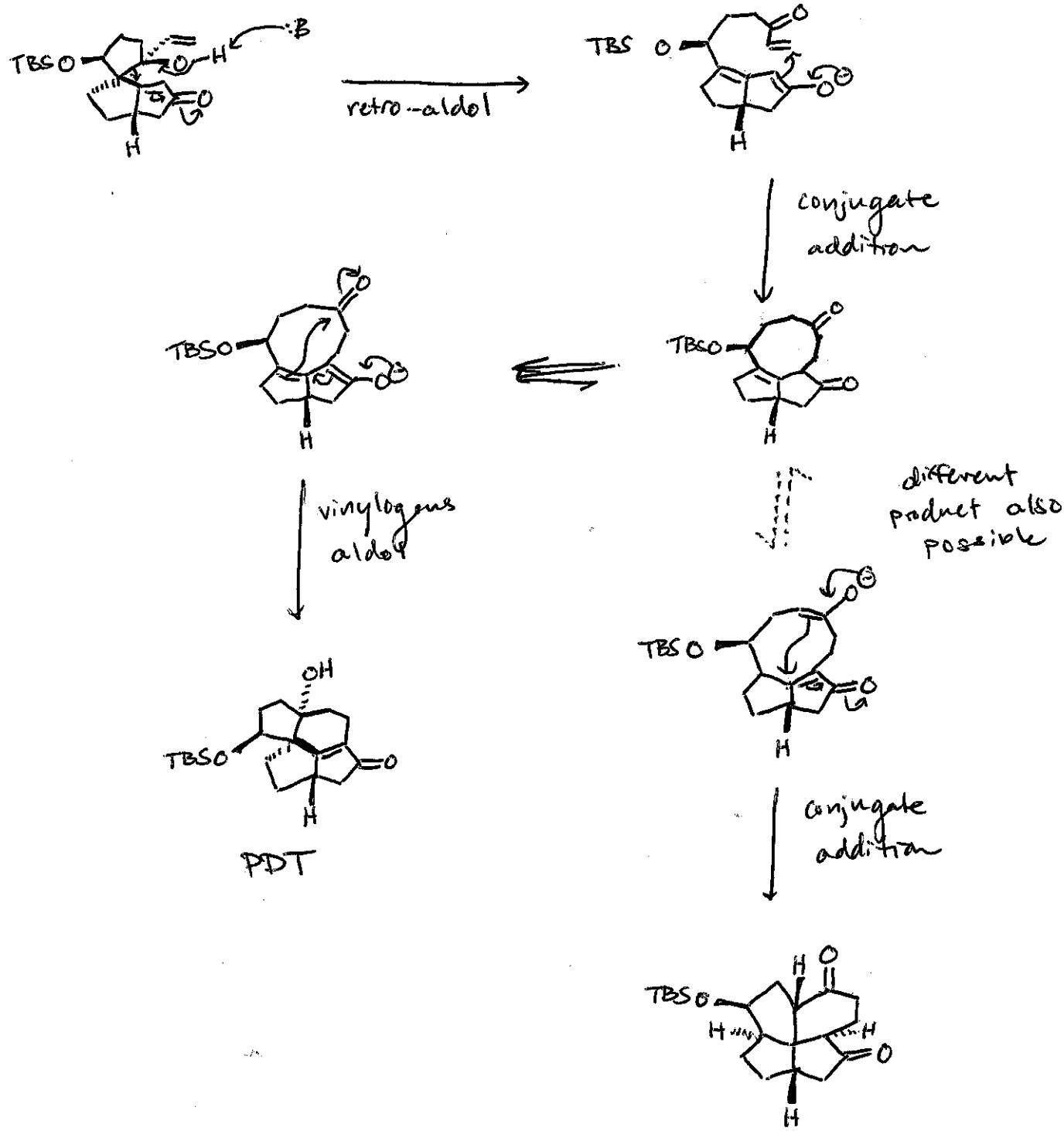
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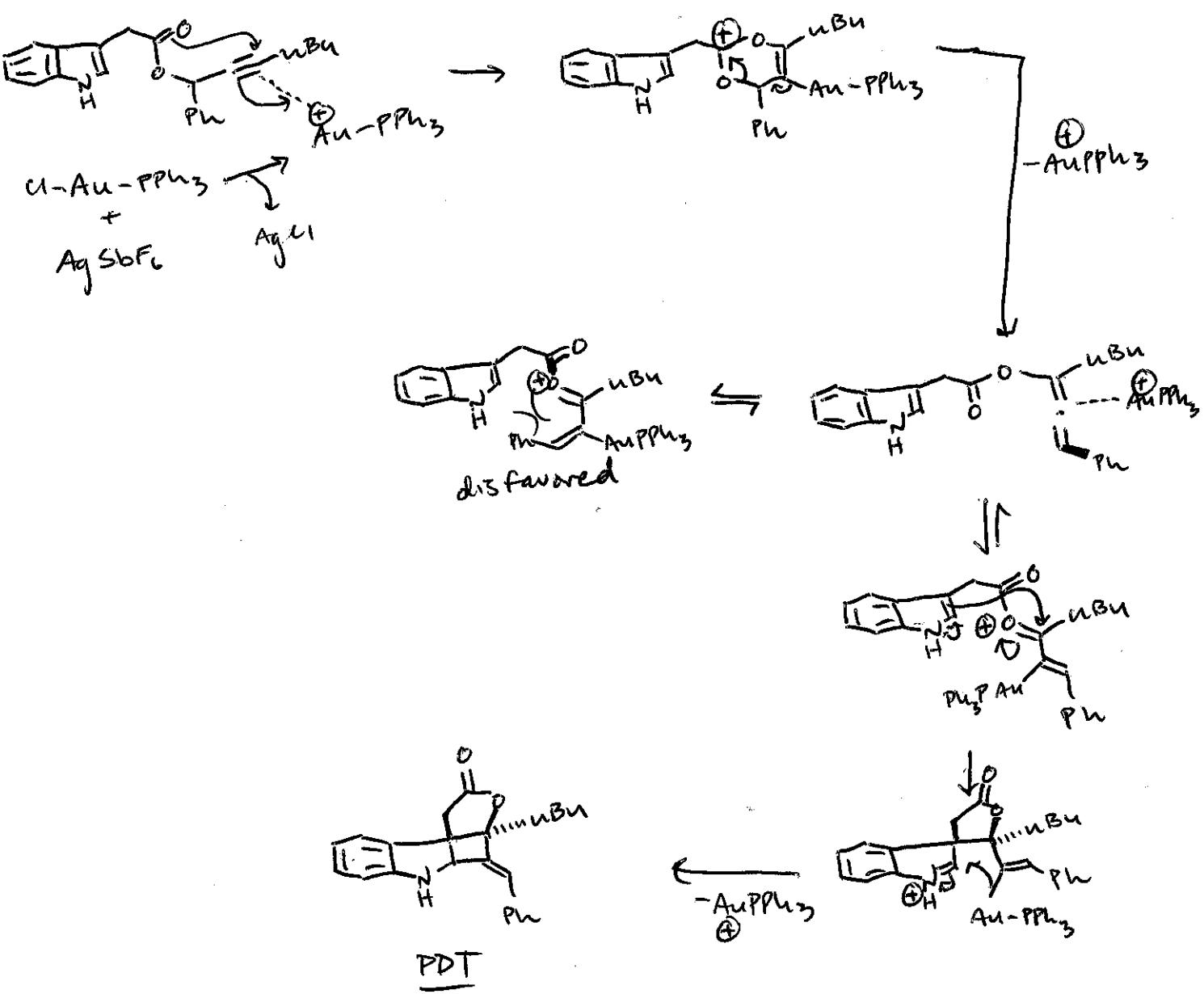


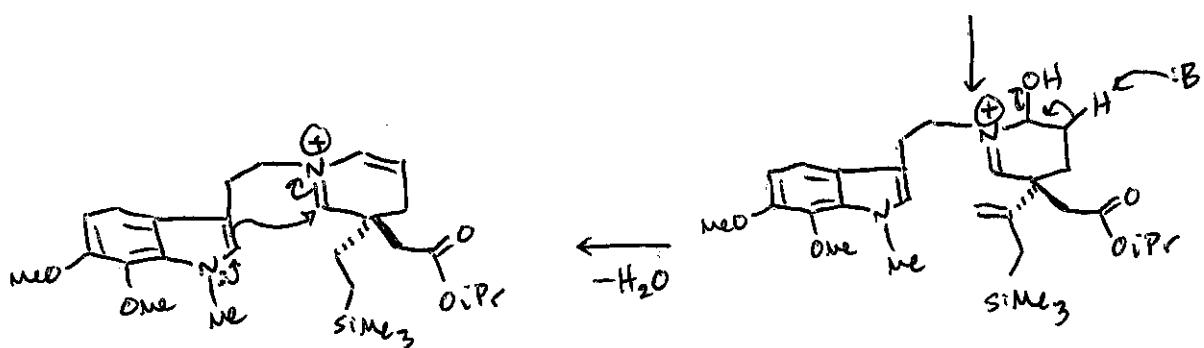
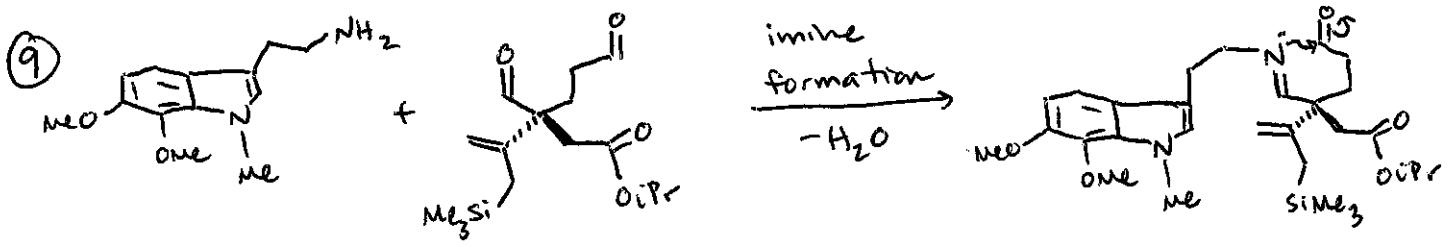
PDT



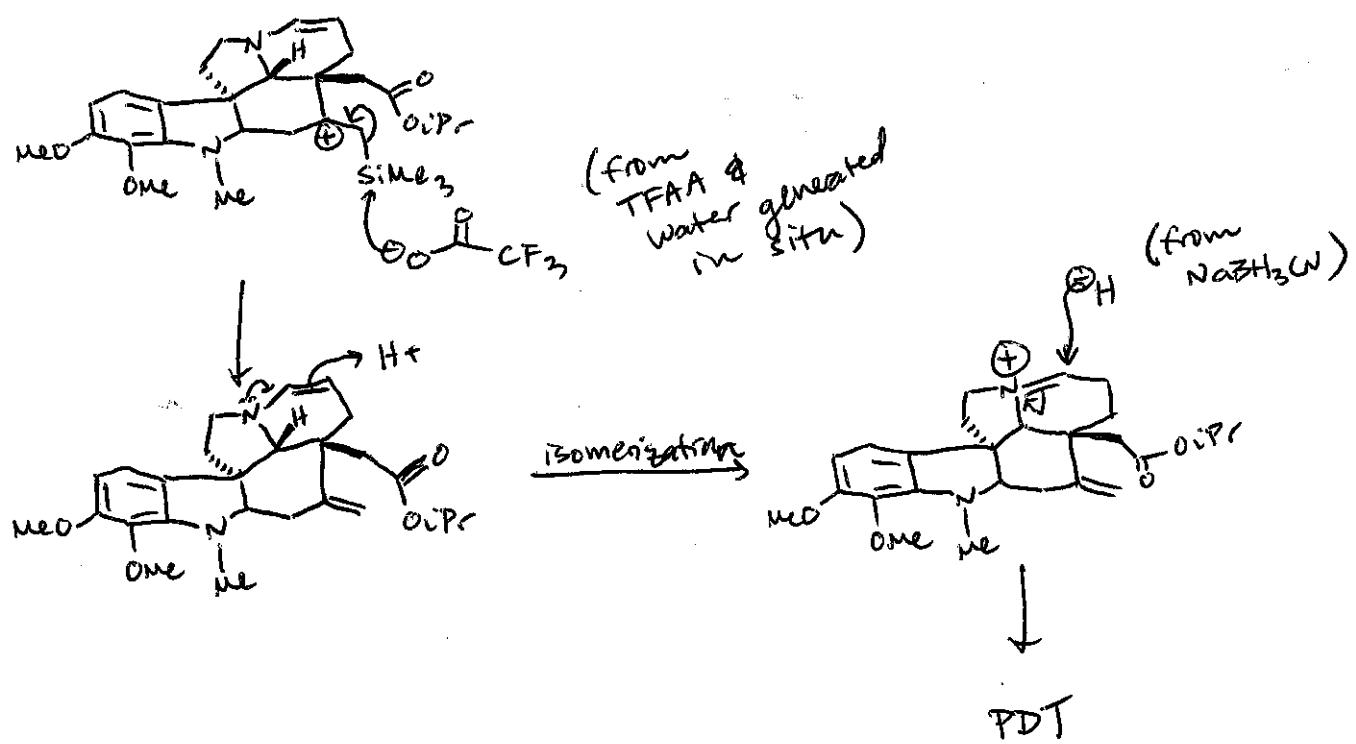
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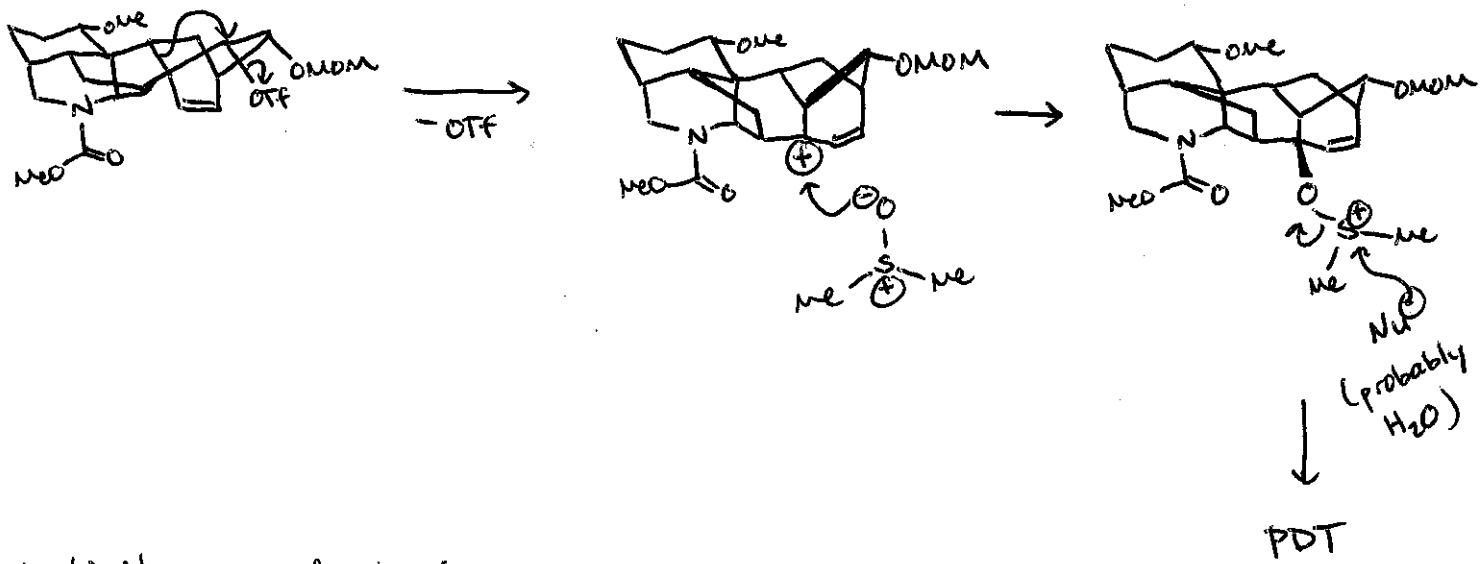




Sakurai-type  
reaction



10.



Alternatively, a dyotropic rearrangement -

