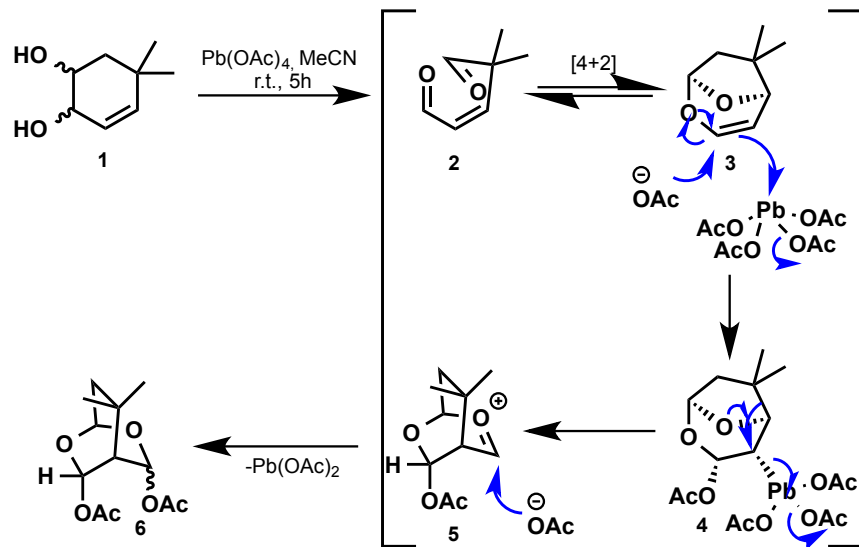
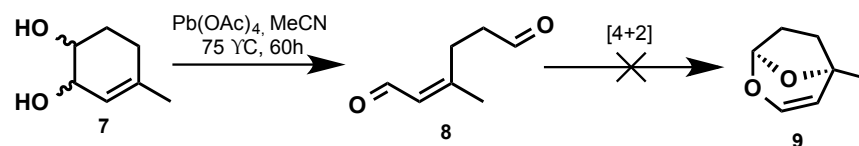


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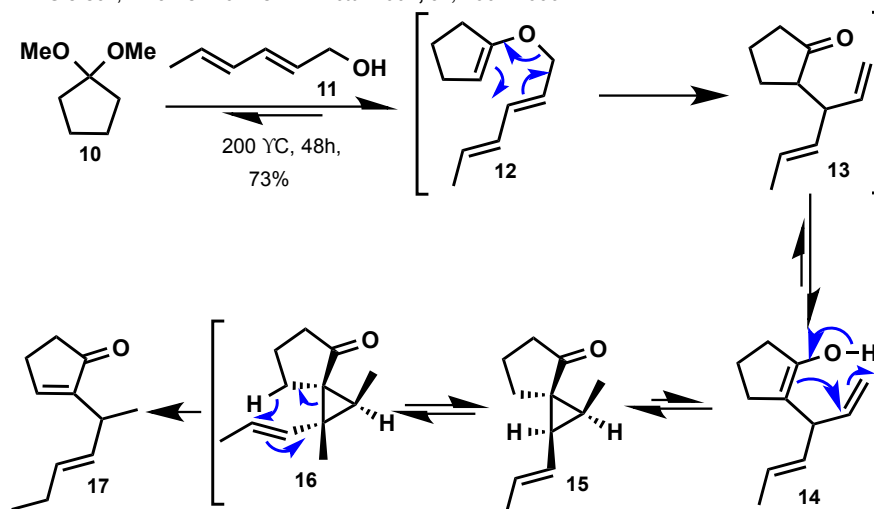


equatorial OAc - 56%
axial OAc - 6%

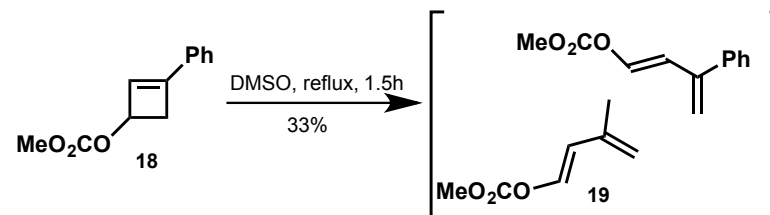


Conclusion: Thorpe - Ingold effect can be used to facilitate intramolecular Hetero-Diels-Alder reaction

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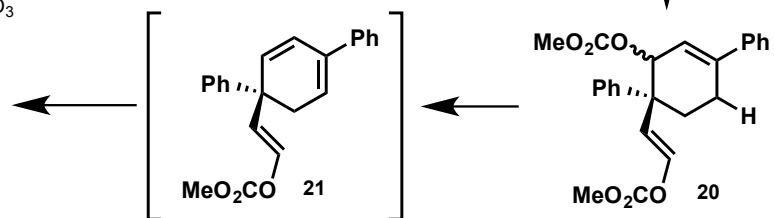
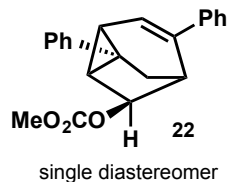


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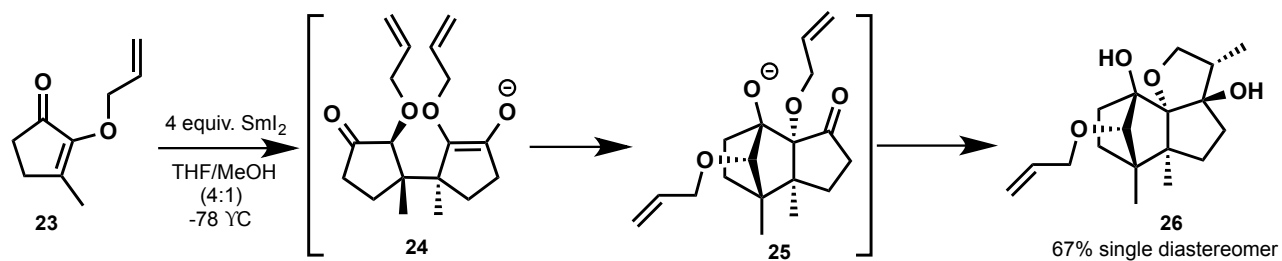


Chemical Formula: $\text{C}_{22}\text{H}_{20}\text{O}_3$

Reaction doesn't work, when Ph is replaced by alkyl or silyl substituents



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