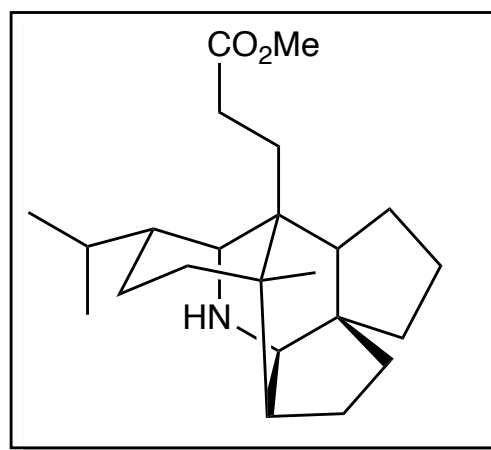


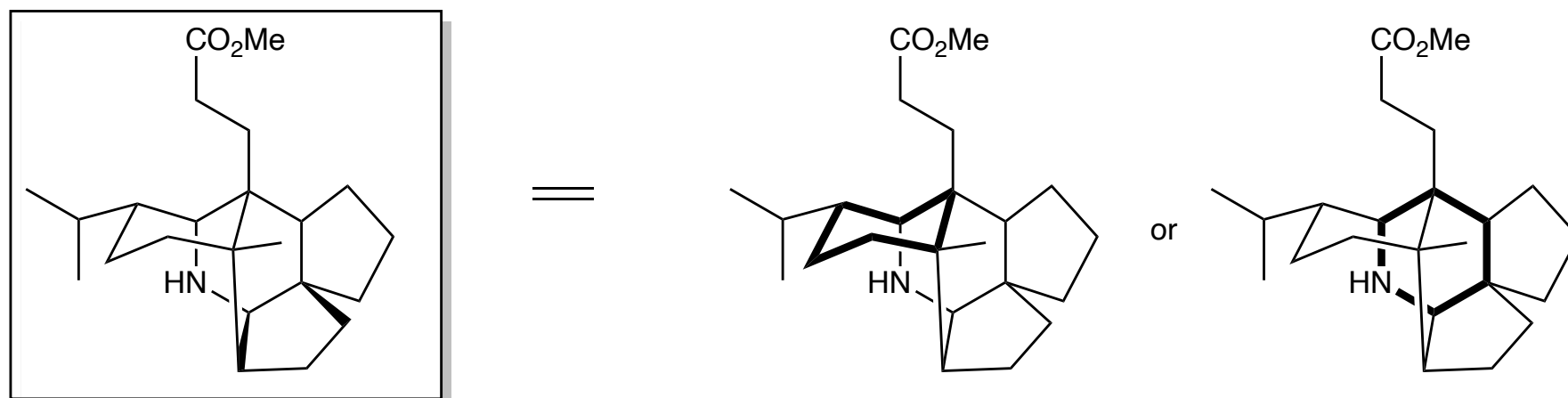
Methyl Homosecodaphniphyllate (Chapter 26)



Ruggeri, R. B.; Hansen, M. M.; Heathcock, C. H. *J. Am. Chem. Soc.* **1988**, *110*, 8734–8736.
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For an excellent paper on drawing polycyclic molecules see:
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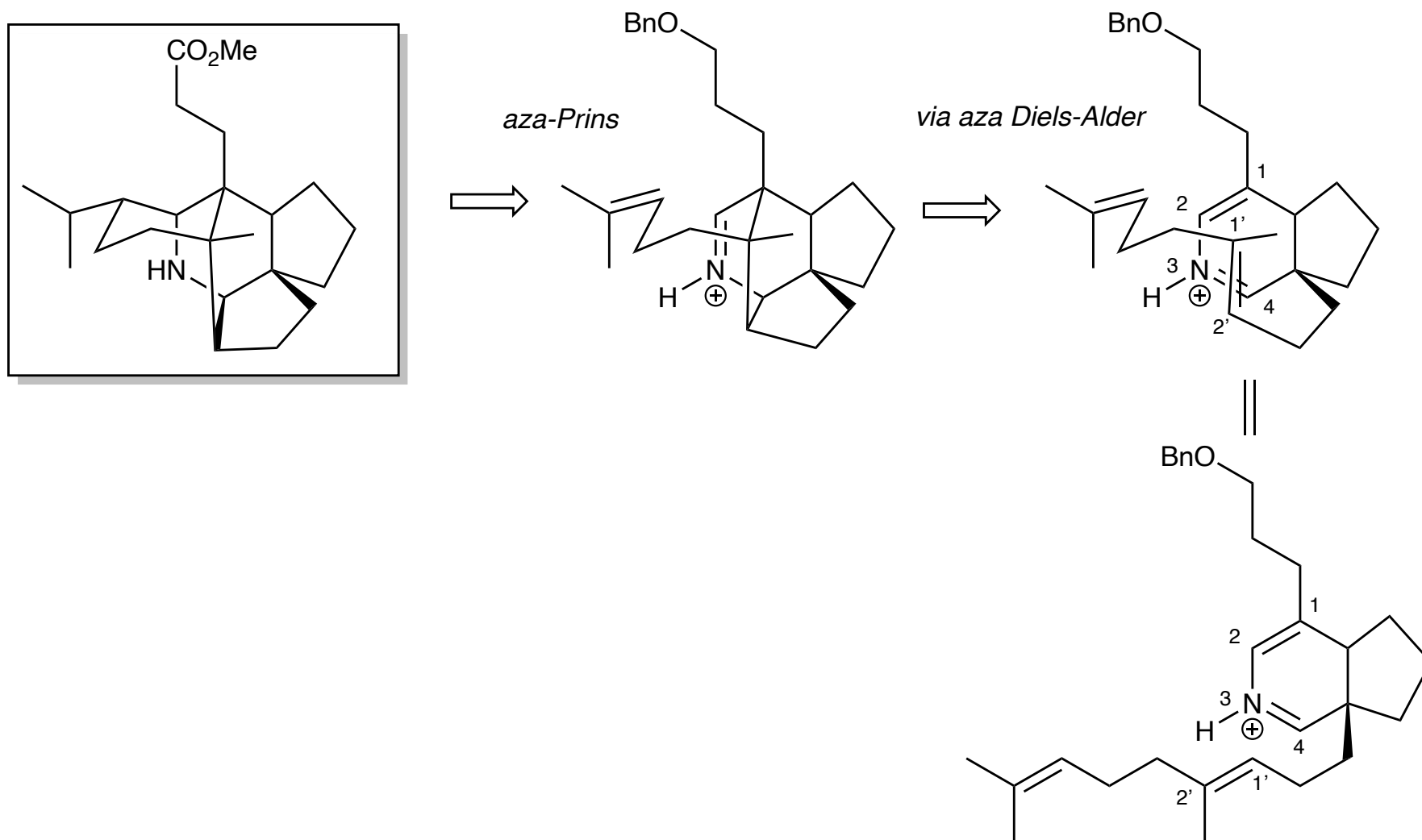
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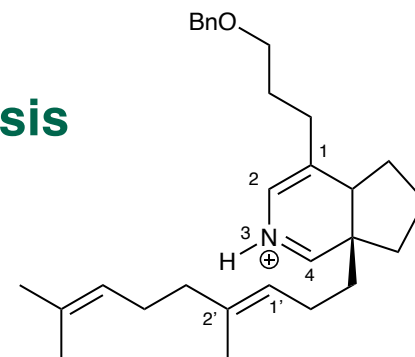
Methyl Homosecodaphniphyllate – Retrosynthesis



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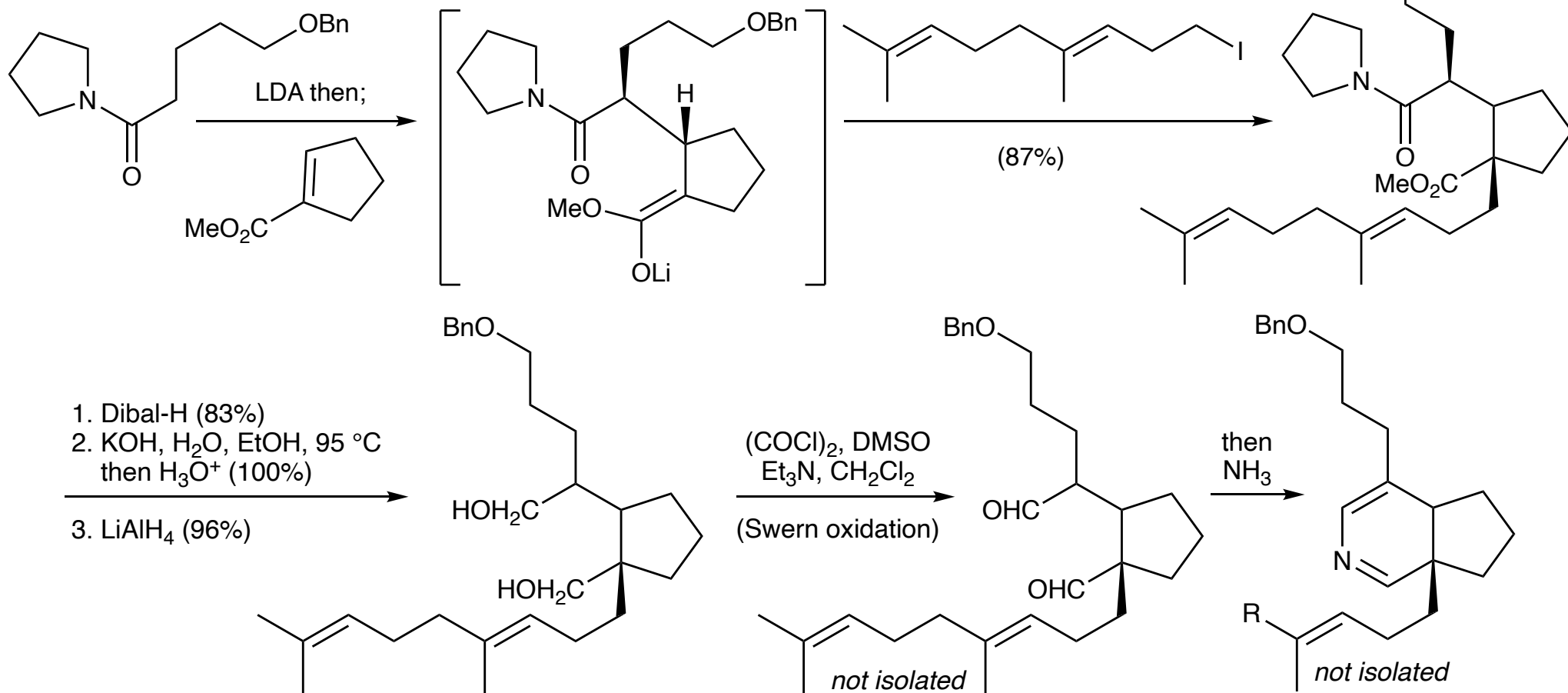
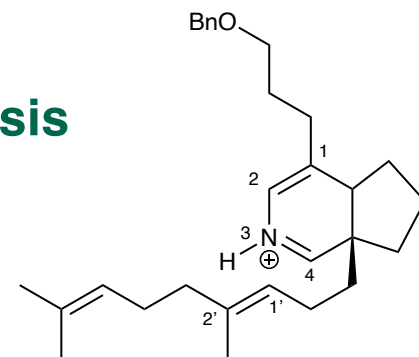
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Methyl Homosecodaphniphyllate — Total Synthesis



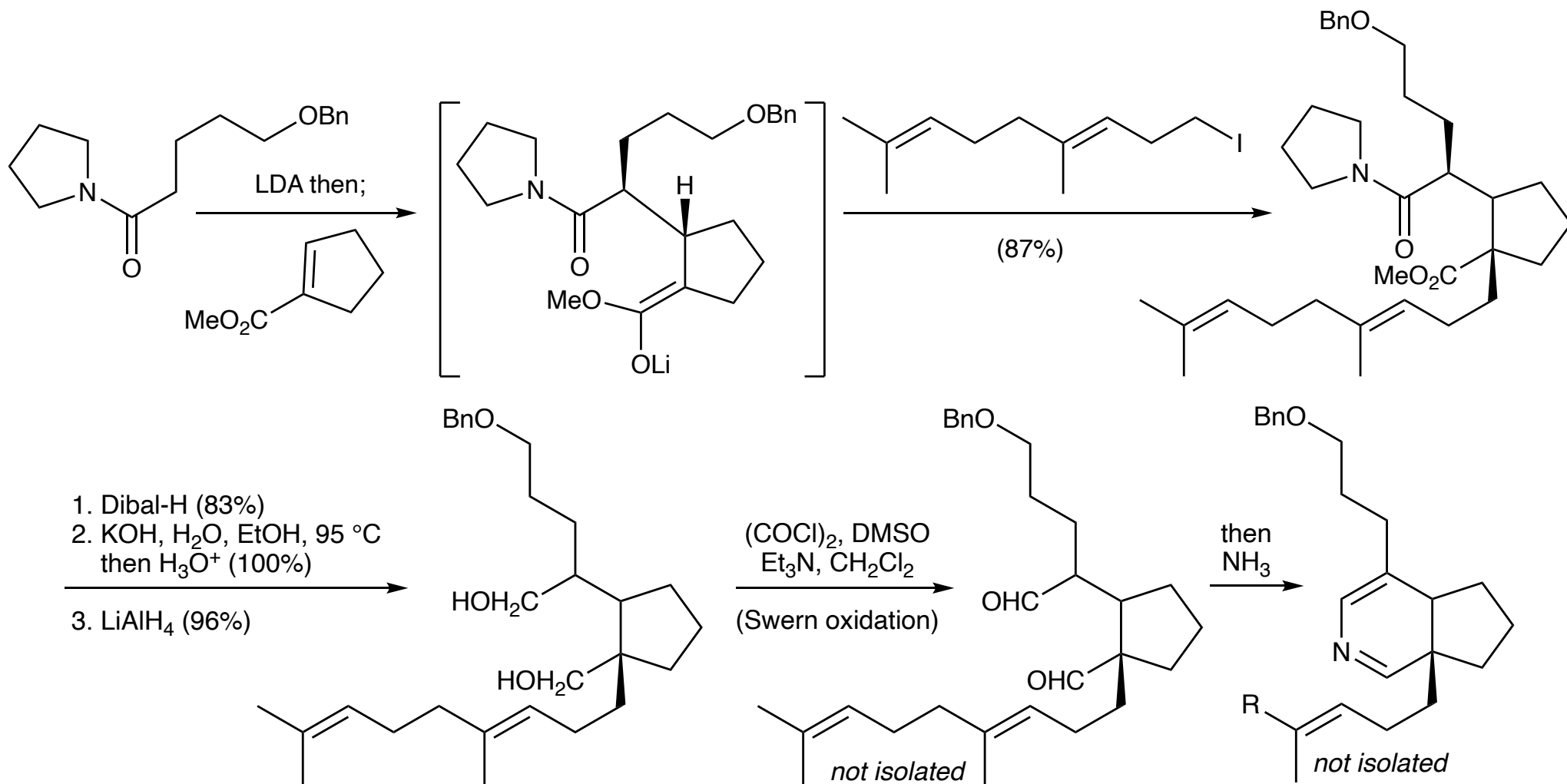
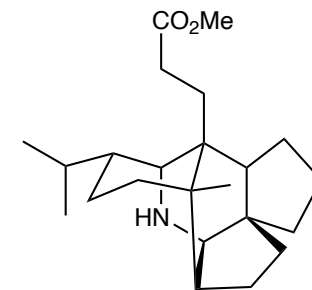
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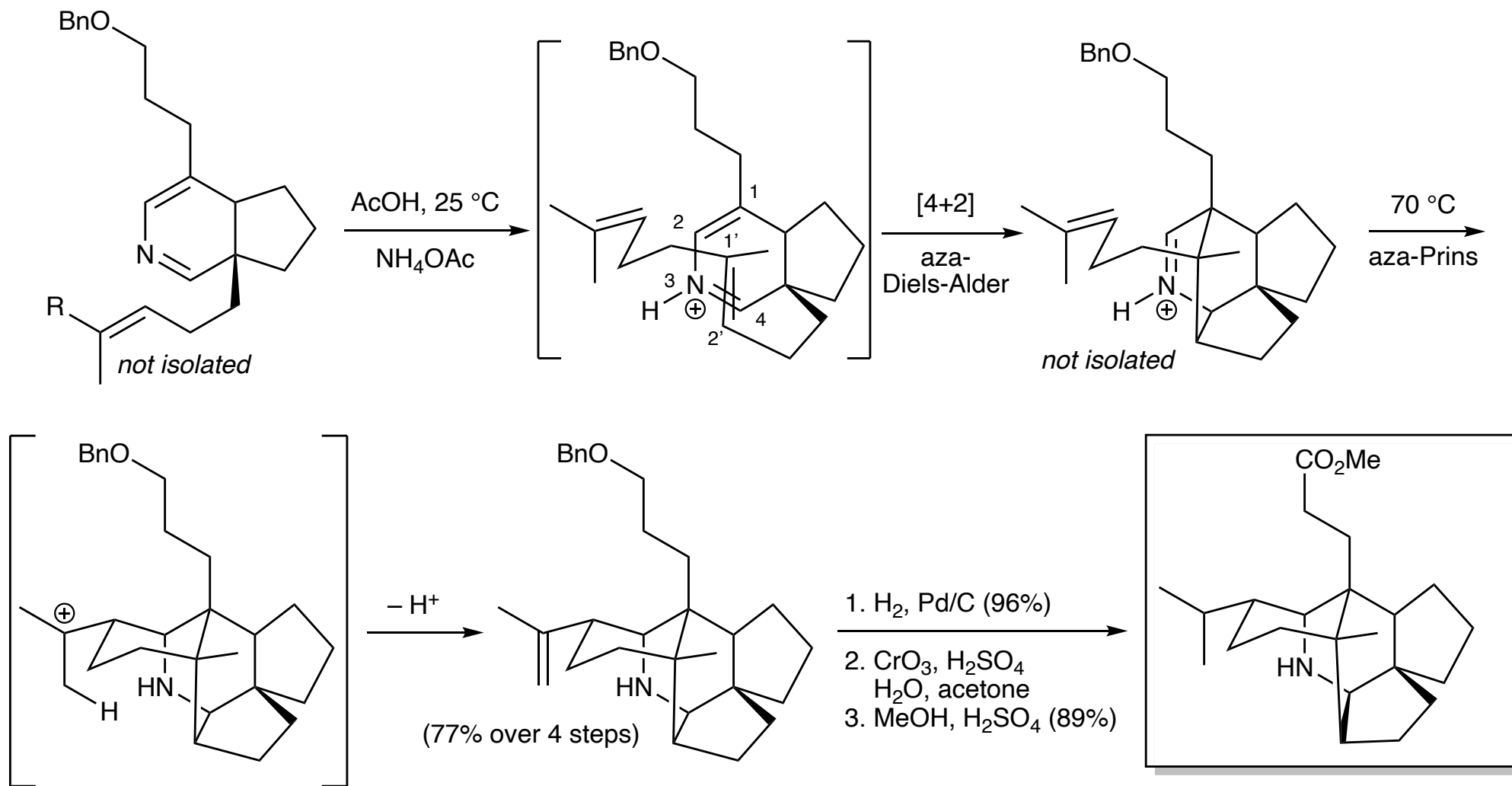
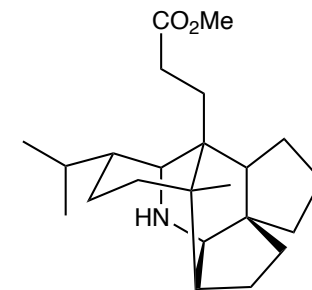
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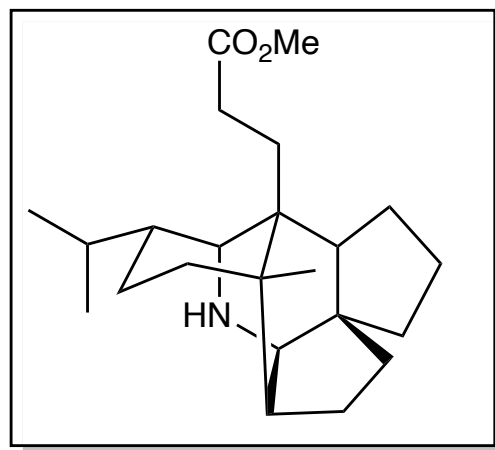
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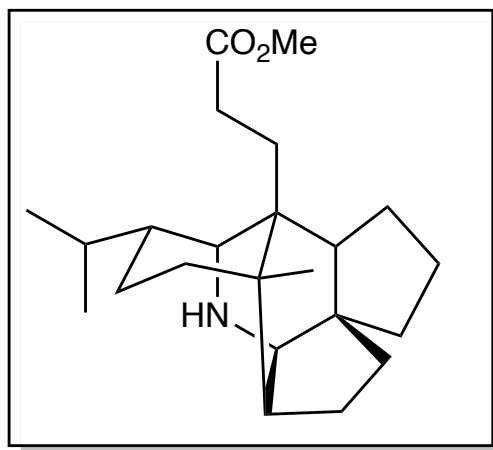
Methyl Homosecodaphniphyllate – Summary



- Biomimetic by design (cation induced polyolefin cyclization)
- Employs atom efficient reactions (Diels-Alder and aza-Prins)
- Concise and efficient synthesis (although racemic)
- 48% overall yield, more than 3.5 g of product prepared.

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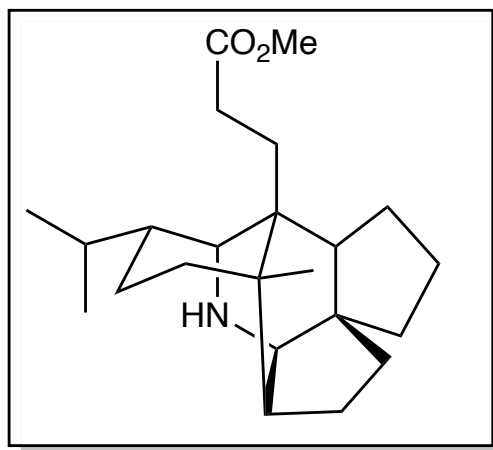


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Methyl Homosecodaphniphyllate – Questions?



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