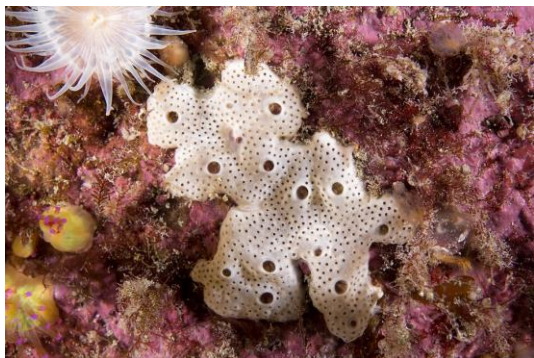


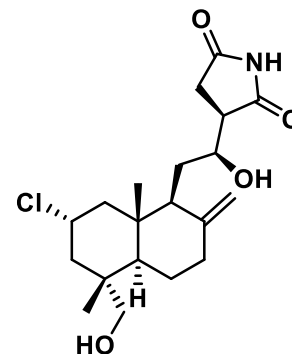
Haterumaimides J and K

Michalak, S.E.; Nam, S.; Kwon, D.M.; Horne, D.A.; Vanderwal, C.D. *J. Am. Chem. Soc.* **2019**, *141*, 9202-9206.

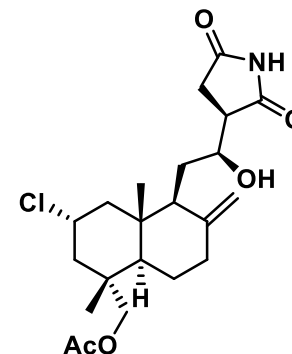


- Isolated from *Lissoclinium* sp.
- Labdane diterpenoids
- Cytotoxic against leukemia (P388)

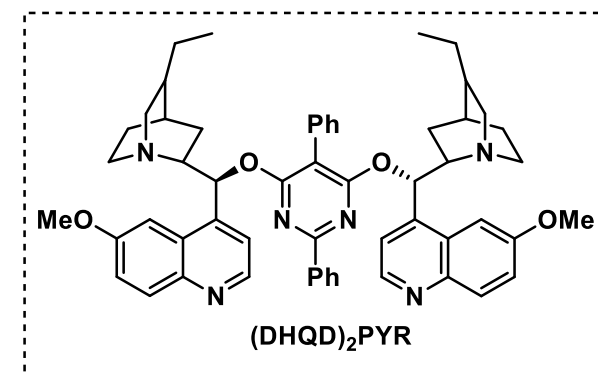
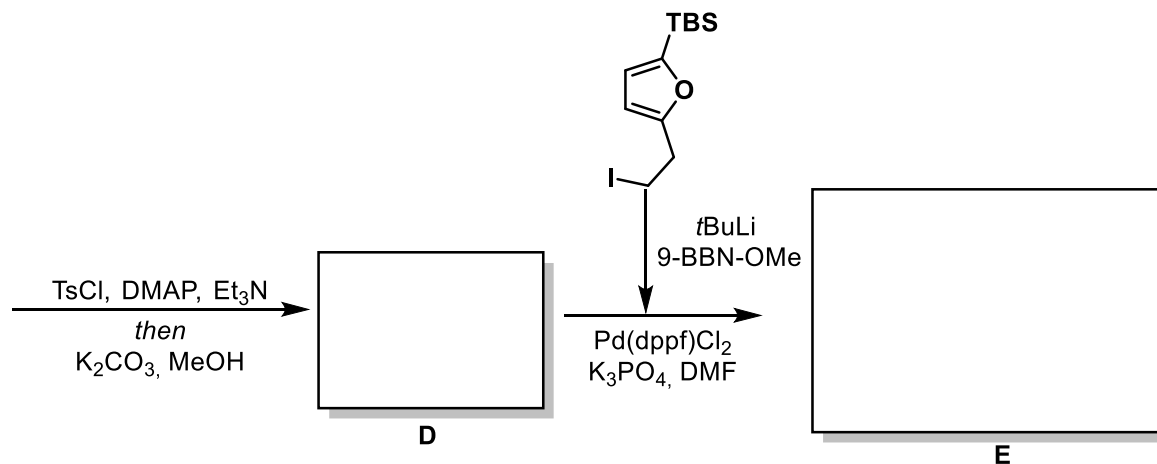
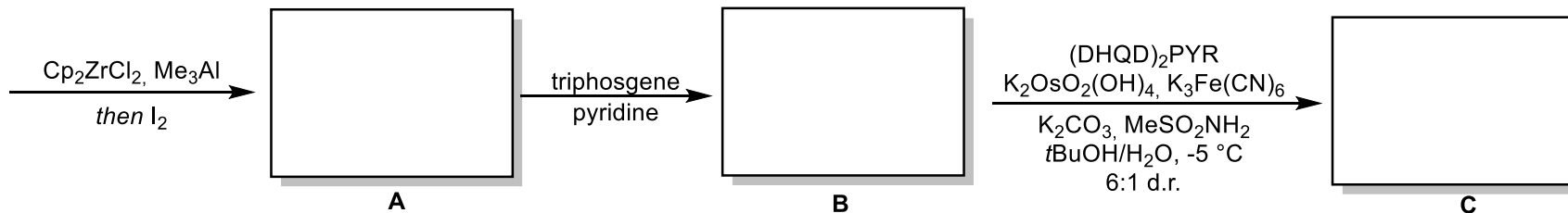
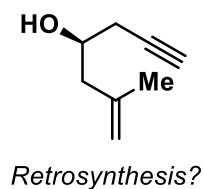
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Haterumaimide J
P388 IC₅₀ = 0.5 nM

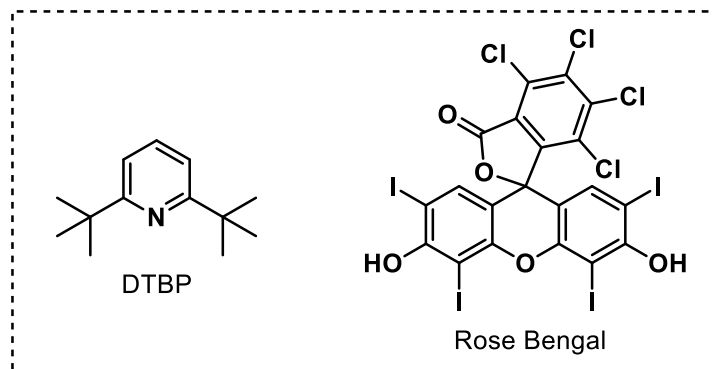
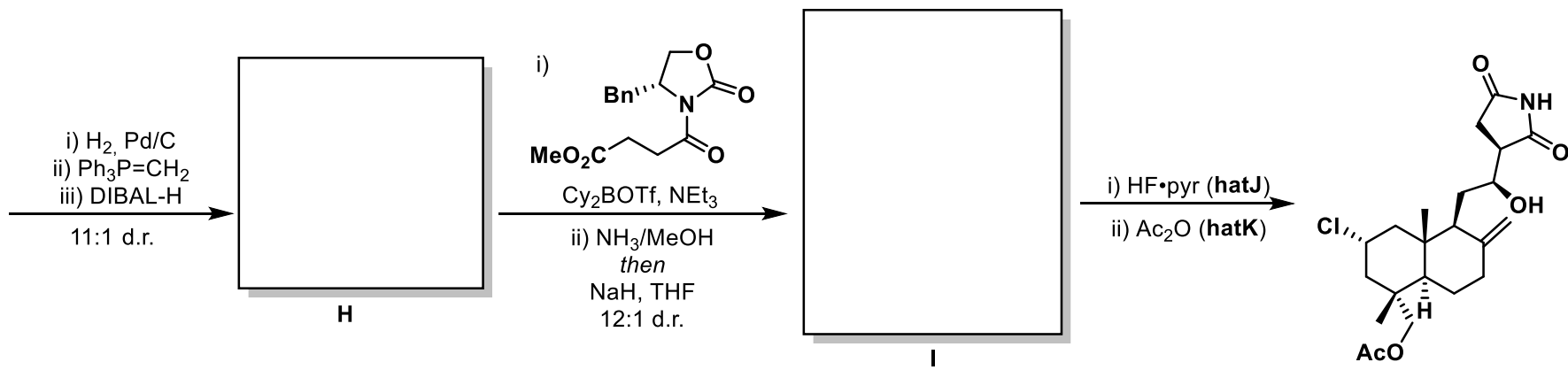
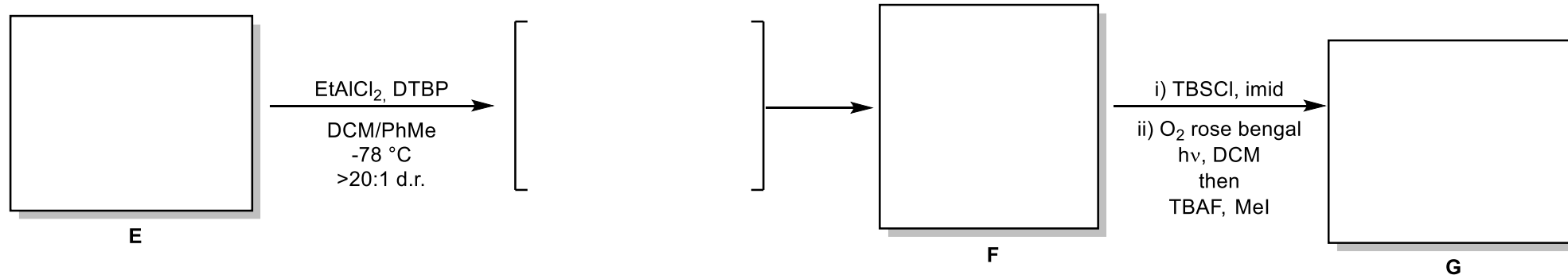


Haterumaimide K
P388 IC₅₀ = 1.0 nM



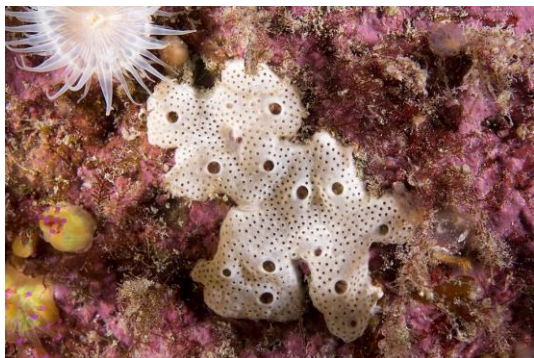
Haterumaimides J and K

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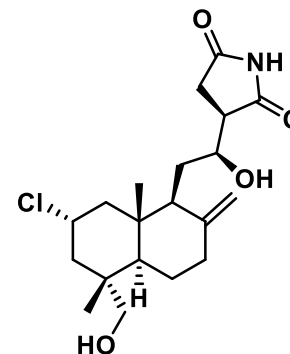
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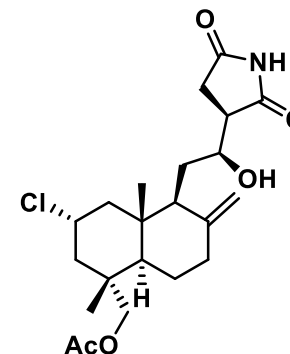


- Isolated from *Lissoclinum* sp.
- Labdane diterpenoids
- Cytotoxic against leukemia (P388)

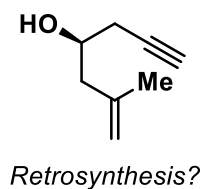
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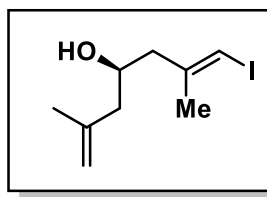
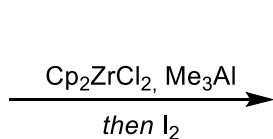
Haterumaimide J
P388 IC₅₀ = 0.5 nM



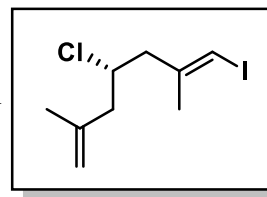
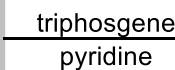
Haterumaimide K
P388 IC₅₀ = 1.0 nM



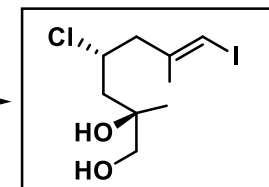
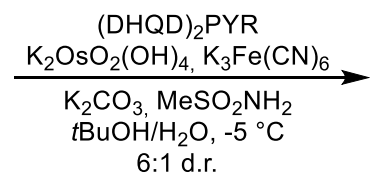
Retrosynthesis?



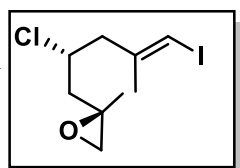
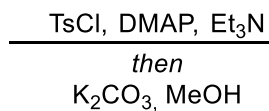
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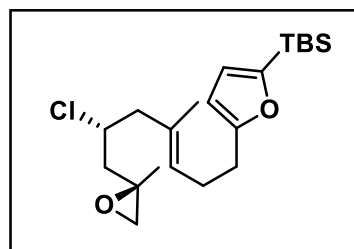
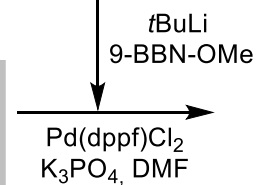
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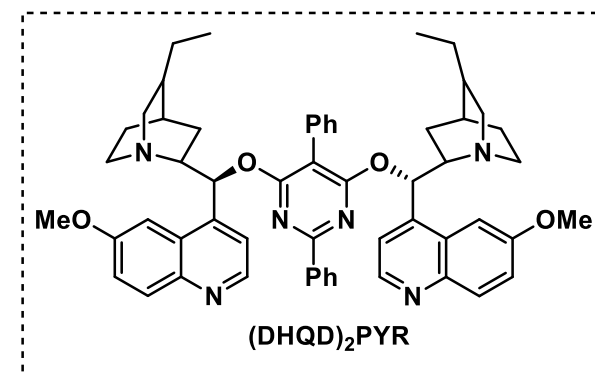
C



D



E



(DHQD)₂PYR

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