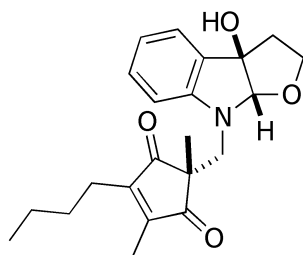


(+)-Madindoline A (TKGP-210507)

S. Kobayashi, S. Hosokawa^{1), 2)}

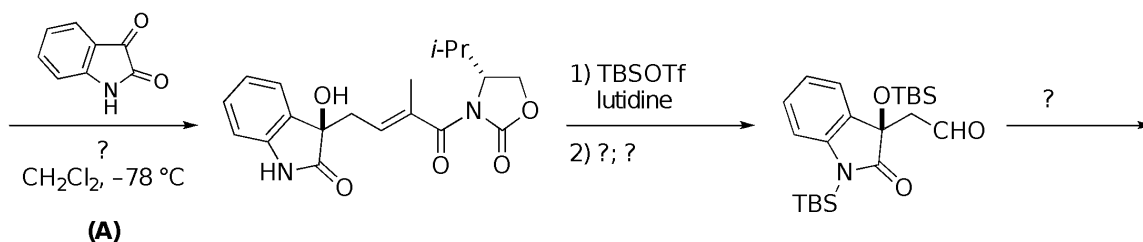
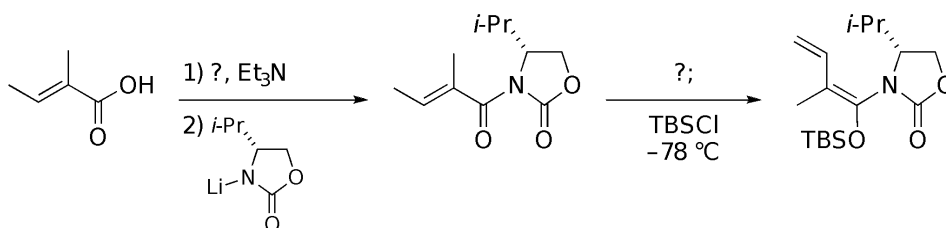


Activity

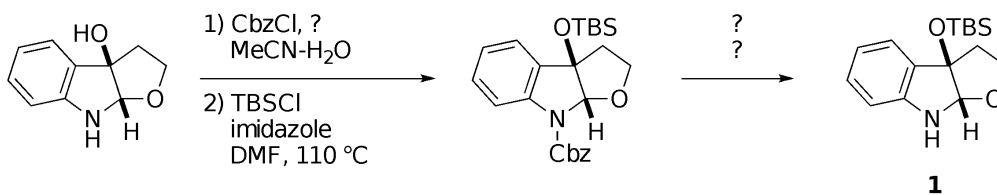
Inhibition of IL-6 (IL-6 活性阻害作用)

Key Reactions

(A) vinylogous Mukaiyama aldol reaction,
(B) alkylation to create the chiral quaternary carbon,
(C) hydroamination, (D) triketone condensation

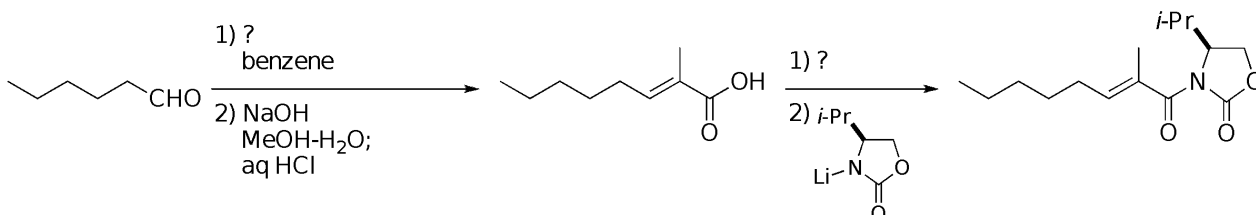


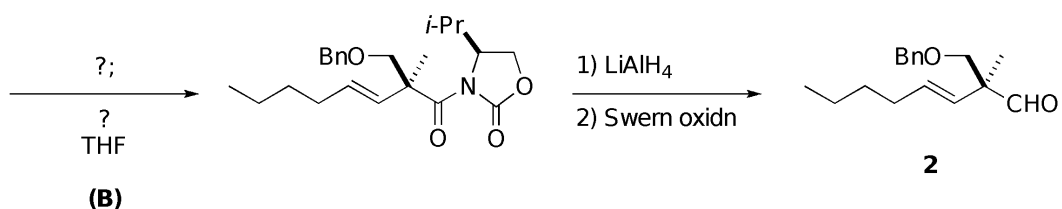
(A)



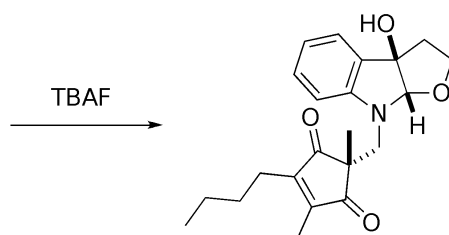
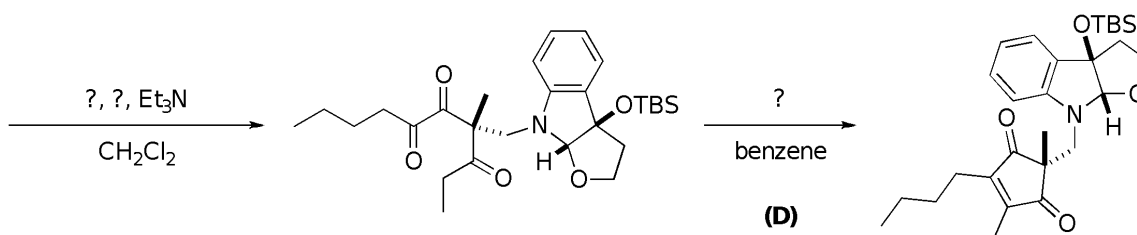
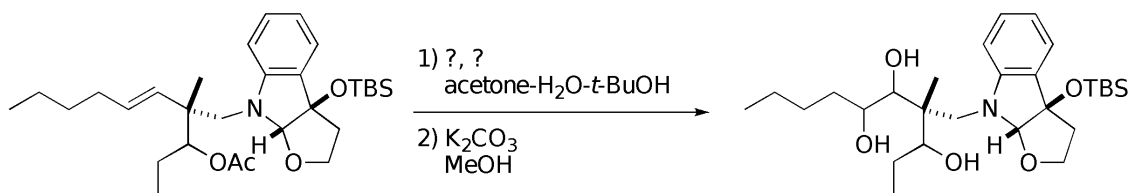
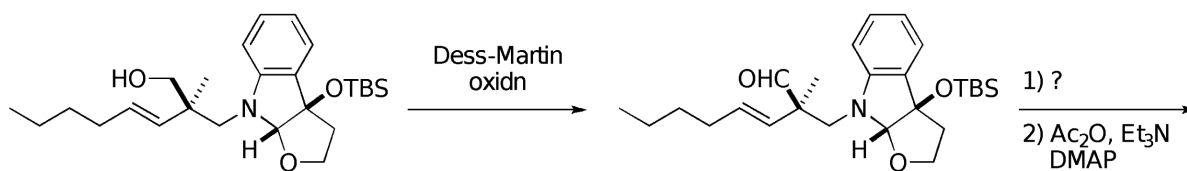
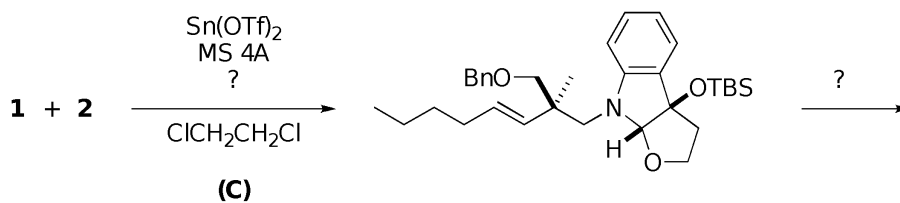
1

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(+)-Madindoline A

References:

- 1) S. Hosokawa, K. Sekiguchi, K. Hayase, Y. Hirukawa, S. Kobayashi, *Tetrahedron Lett.*, **41**, 6435 (2000)
- 2) 細川誠二郎, 小林進, 有機合成化学協会誌, **59**, 1103 (2001)