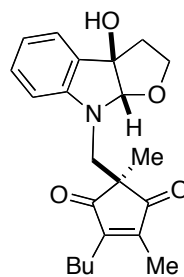


(+)-Madindoline A



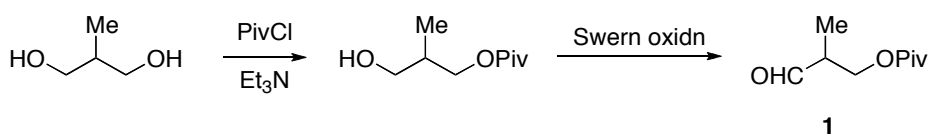
(+)-Madindoline B

Activity

Inhibition of IL-6 activity (IL-6 活性阻害作用)

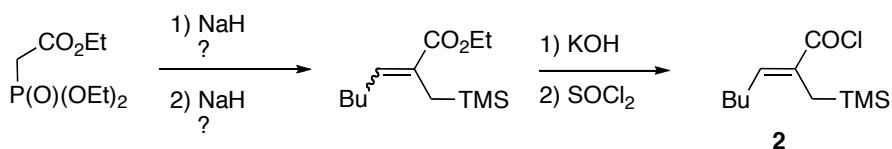
Key Reactions

(A) asymmetric oxidative ring closure,
(B) chelation-controlled 1,4-diastereoselective acylation,
(C) intramolecular acylation of allylsilane



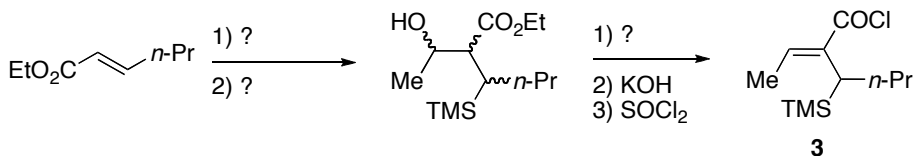
1

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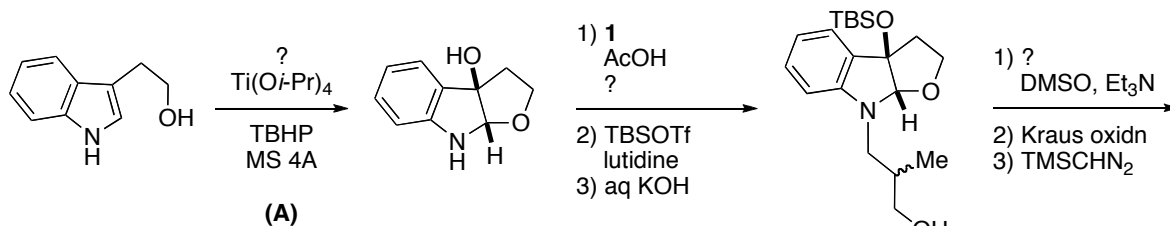
2

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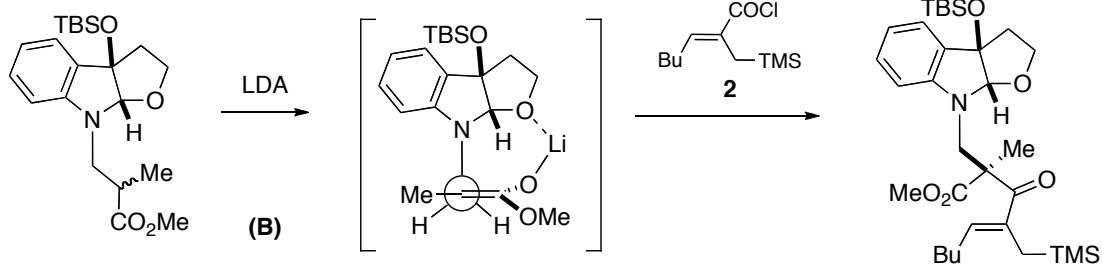


3

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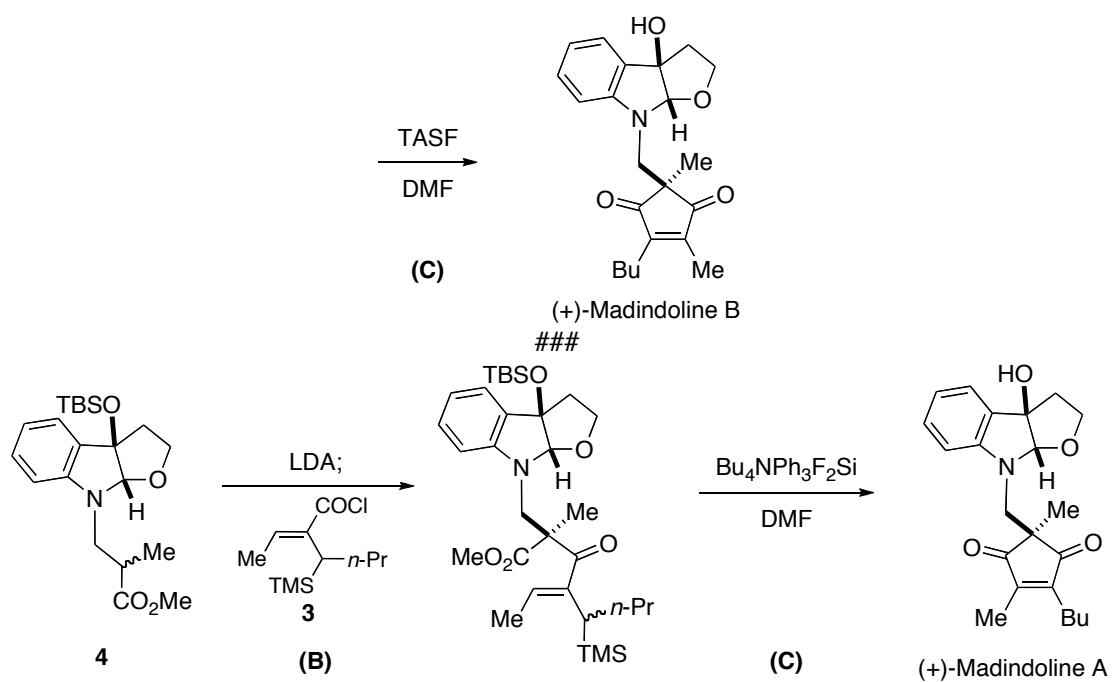


(A)



(B)

4



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- 2) T. Hirose, T. Sunazuka, D. Yamamoto, N. Kojima, T. Shirahata, Y. Harigaya, I. Kuwajima, S. Ōmura, *Tetrahedron*, **61**, 6015 (2005)
- 3) T. Sunazuka, T. Hirose, S. Ōmura, *Acc. Chem. Res.*, **41**, 302 (2008)