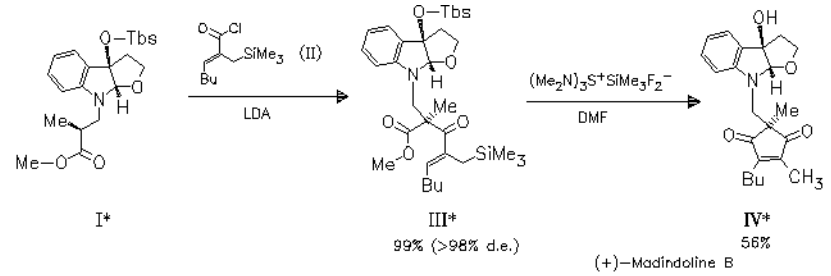
other bioactive products

U 1300

26 - 219

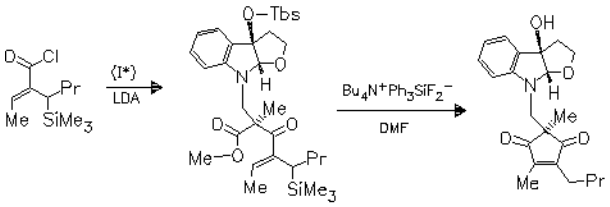
Short Total Synthesis of (+)-Madindolines A and B. — The title compounds, potent inhibitors of interleukin 6, are prepared using a chelation-controlled 1,4-diastereoselective acylation and an intramolecular allylsilane acylation as the key steps. — (HIROSE, TOMOYASU; SUNAZUKA, TOSHIAKI; SHIRAHATA, TATSUYA; YAMAMOTO, DAISUKE; HARIGAYA, YOSHIHIRO; KUWAJIMA, ISAO; OMURA, SATOSHI; Org. Lett. 4 (2002) 4, 501-503; Kitasato Inst., Kitasato Univ., Minato, Tokyo 108, Japan; EN)



I* III* IV*

99% (>98% d.e.) 56%

(+)–Madindoline B



V VI* VII*

88% (>11:1 m.d.) 52%

(+)–Mandindoline A