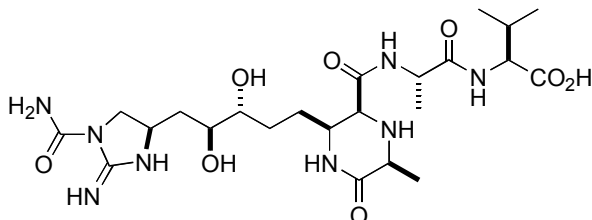


(-)-Guadinomine C2 (100109-TKGP)

T. Sunazuka, S. Ōmura<sup>1), 2)</sup>

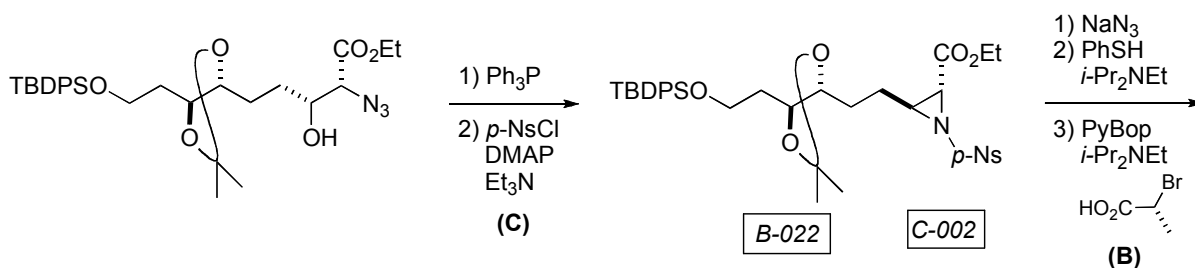
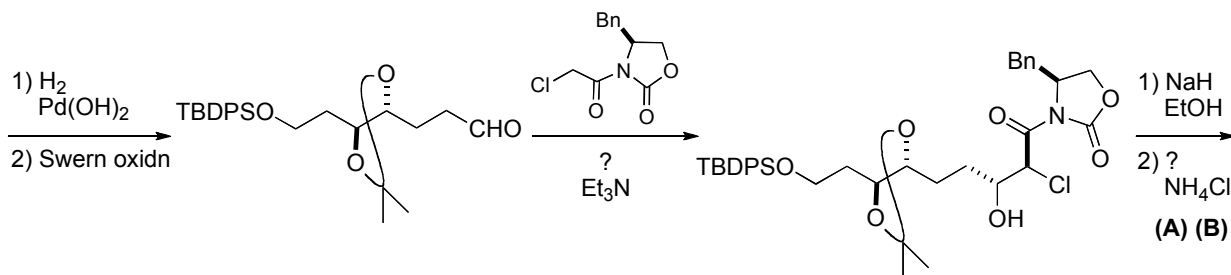
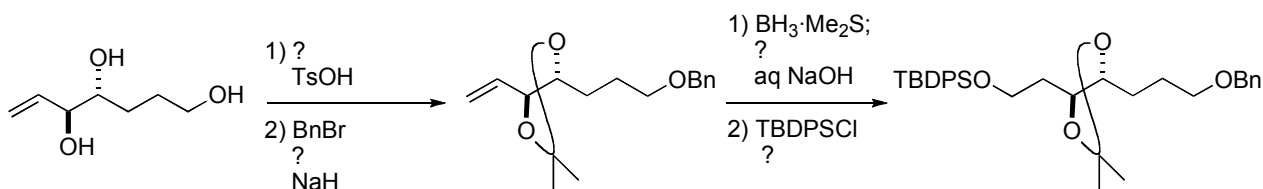
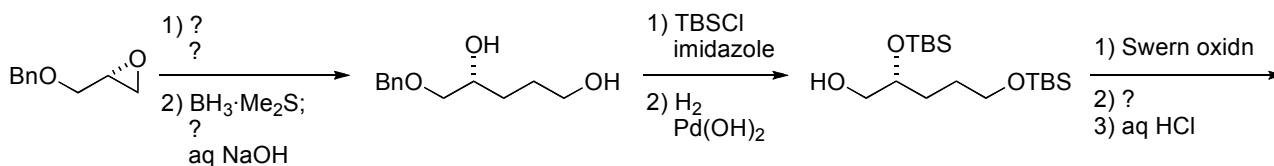


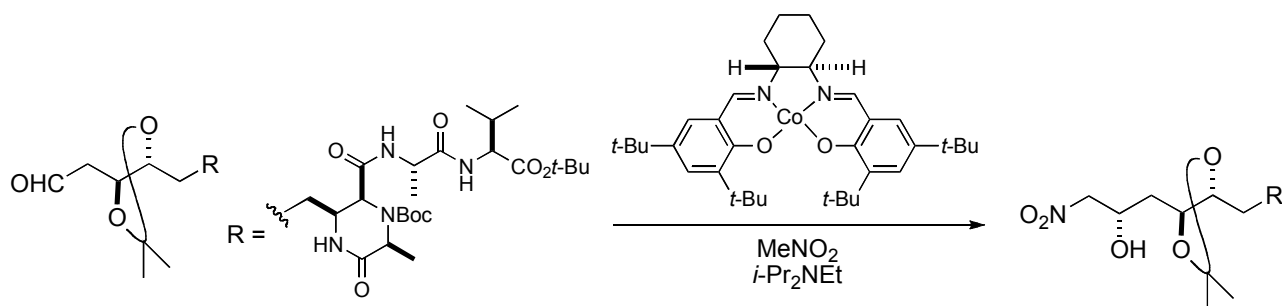
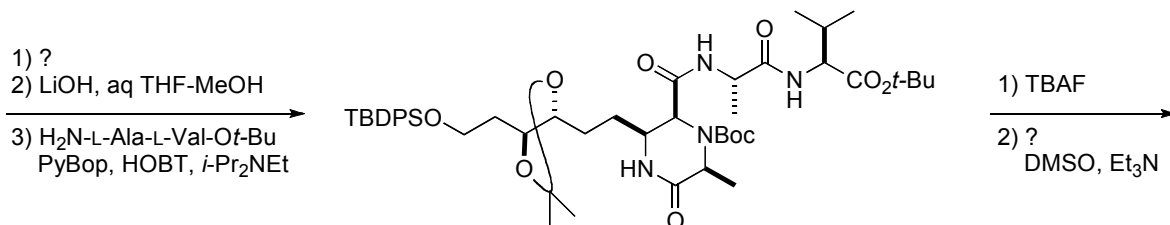
*Activity*

Inhibition of type III secretion system (タイプⅢ分泌機構阻害活性)

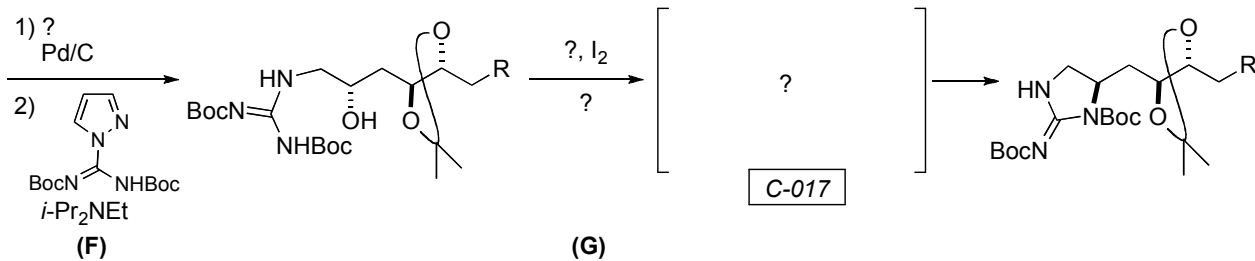
*Key Reactions*

(A) epoxide formation with epimerization, (B) regioselective azidolysis, (C) Staudinger ring closure, (D) Staudinger amination, (E) asymmetric nitro aldol reaction, (F) guanylation, (G) S<sub>N</sub>2 cyclization

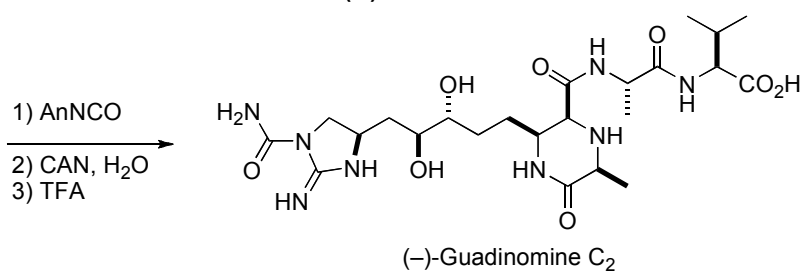




(E)



(G)



## References:

- 1) 砂塚敏明, 土屋智史, 廣瀬友靖, 森龍真, 田中利知, 岩月正人, 供田洋, 高橋洋子, 大村智, 第48回天然有機化合物討論會講演要旨集, 151 (2006)
- 2) T. Hirose, T. Sunazuka, S. Tsuchiya, T. Tanaka, Y. Kojima, R. Mori, M. Iwatsuki, S. Ōmura, *Chem. Eur. J.*, **14**, 8220 (2008)