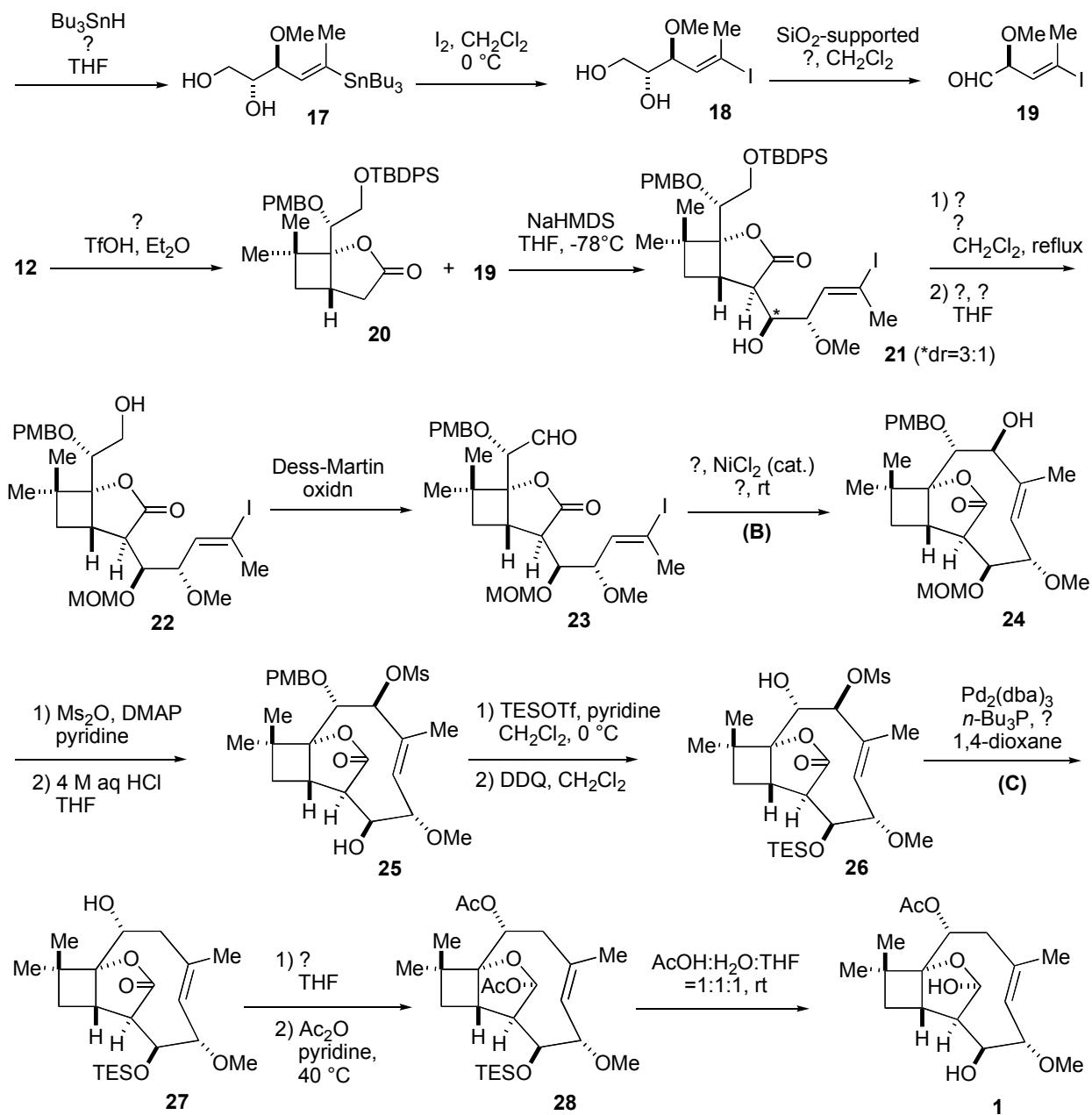


(-)-Pestalotiopsis A (TKGP-090228)		Kin-ichi Tadano ^{1), 2)}
<p>(-)-pestalotiopsis A (1)</p>		
<i>Activity</i>		cytotoxicity 細胞障害活性 immunosuppressive activity 免疫抑制活性
<i>Key Reactions</i>		(A) [2+2] Cycloaddition (B) Intramolecular Nozaki-Hiyama-Kishi reaction (C) Hydride substitution via a π -allyl intermediate
		<p>(A) [2+2] Cycloaddition (B) Intramolecular Nozaki-Hiyama-Kishi reaction (C) Hydride substitution via a π-allyl intermediate</p>
		<p>1) ?, Et3N, DMAP, CH2Cl2 2) ?, ?, 80 °C</p> <p>1) 1 M aq HCl, CH2Cl2 2) ?, toluene, -78 °C</p> <p>1) Des-Martin oxidn 2) NaBH4, MeOH, 0 °C</p>
		<p>1) DIBAL 2) D-DET, Ti(O-i-Pr)4, TBHP 3) ?</p> <p>1) n-BuLi, THF, -35 °C; MeI, HMPA 2) TsOH, MeOH, 40 °C</p>



References

- 1) K. Takao, H. Saegusa, T. Tsujita, T. Washizuka, K. Tadano, *Tetrahedron Lett.*, **46**, 5815 (2005)
- 2) K. Takao, N. Hayakawa, R. Yamada, T. Yamaguchi, U. Morita, S. Kawasaki, K. Tadano, *Angew. Chem. Int. Ed.*, **47**, 3426 (2008)