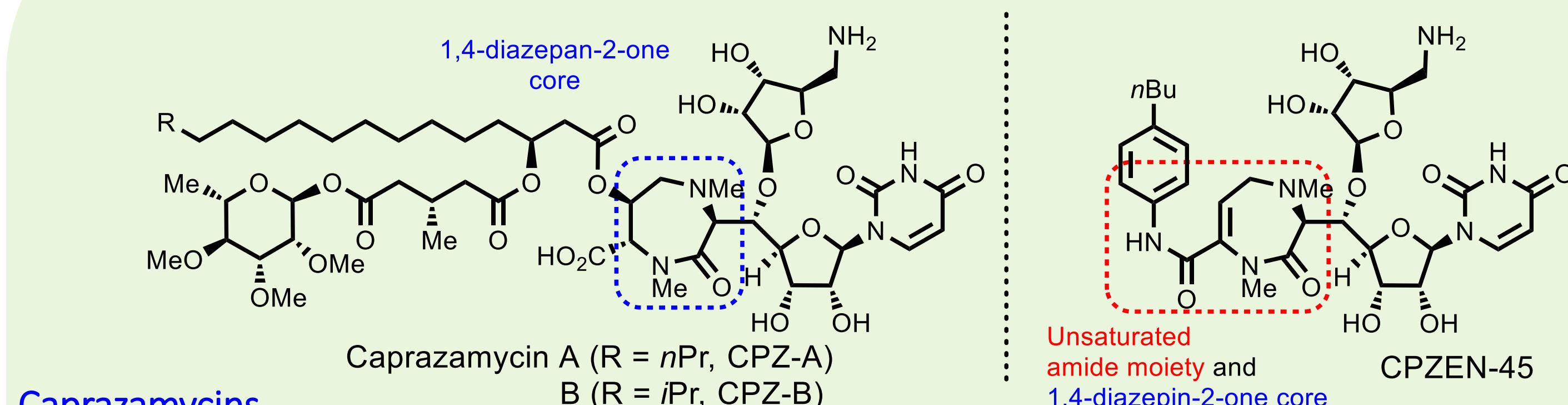


新規中分子医薬品シード創製を指向した脂肪酸を持つ リポヌクレオシド系天然物の全合成



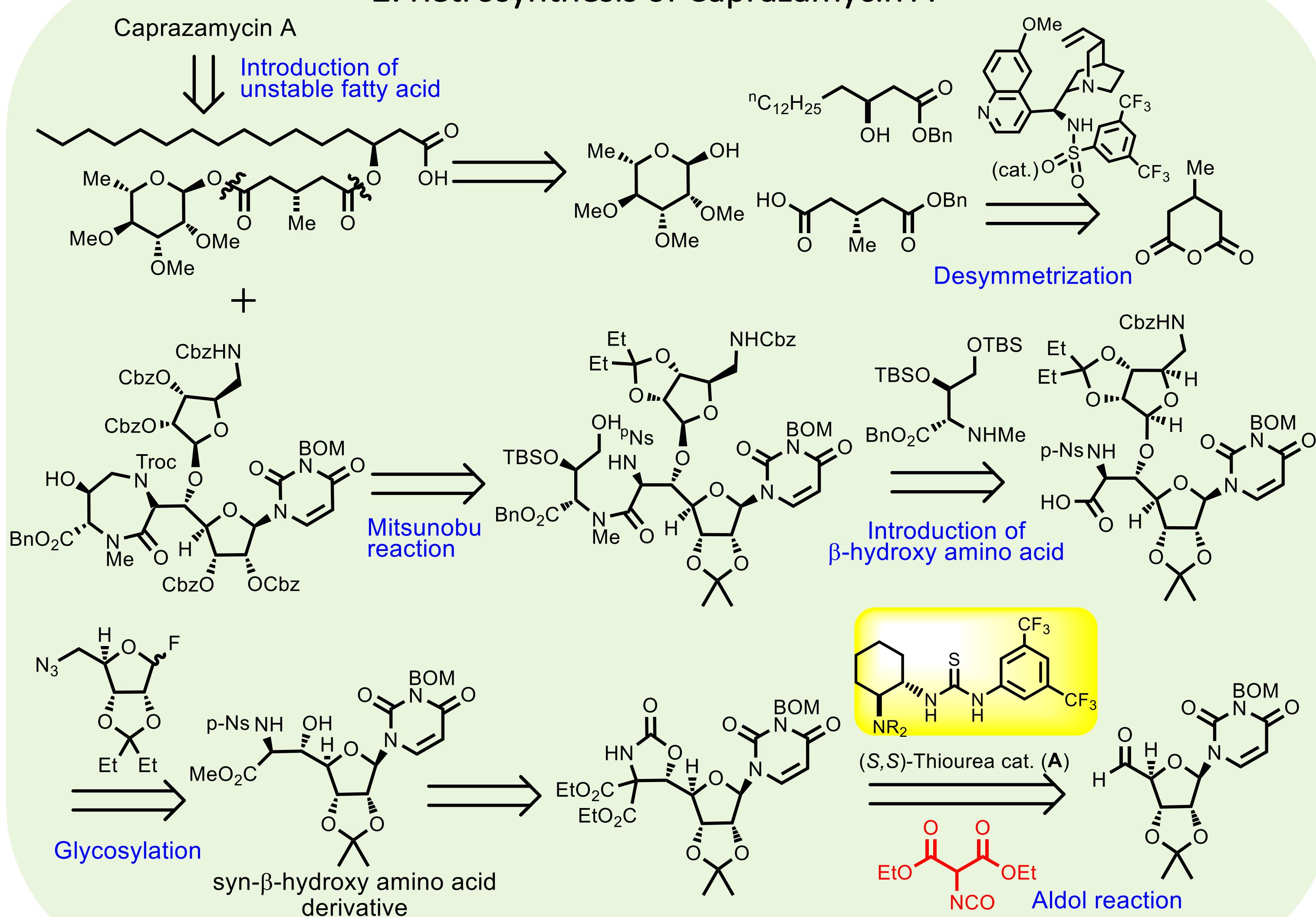
(京大院農) 塚野千尋

1. Liponucleoside Antibiotics

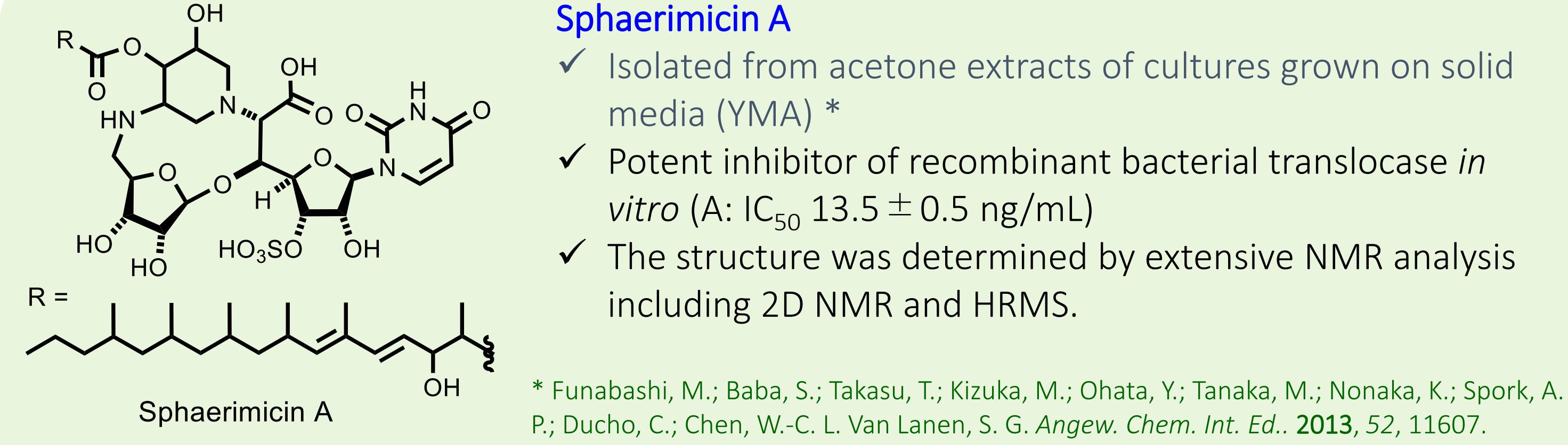


- a. Igarashi, M.; Nakagawa, N.; Doi, N.; Hattori, S.; Naganawa, H.; Hamada, M. *J. Antibiotics* 2003, 56, 580.
 b. Takahashi, Y.; Igarashi, M.; Miyake, T.; Soutome, H.; Ishikawa, K.; Komatsuki, Y.; Koyama, Y.; Nakagawa, N.; Hattori, S.; Inoue, K.; Doi, N.; Akamatsu, Y. *J. Antibiotics*. 2013, 66, 171.
 c. Abe, H.; Gopinath, P.; Ravi, G.; Wang, L.; Watanabe, T.; Shibasaki, M. *Tetrahedron Lett.* 2015, 56, 3782.

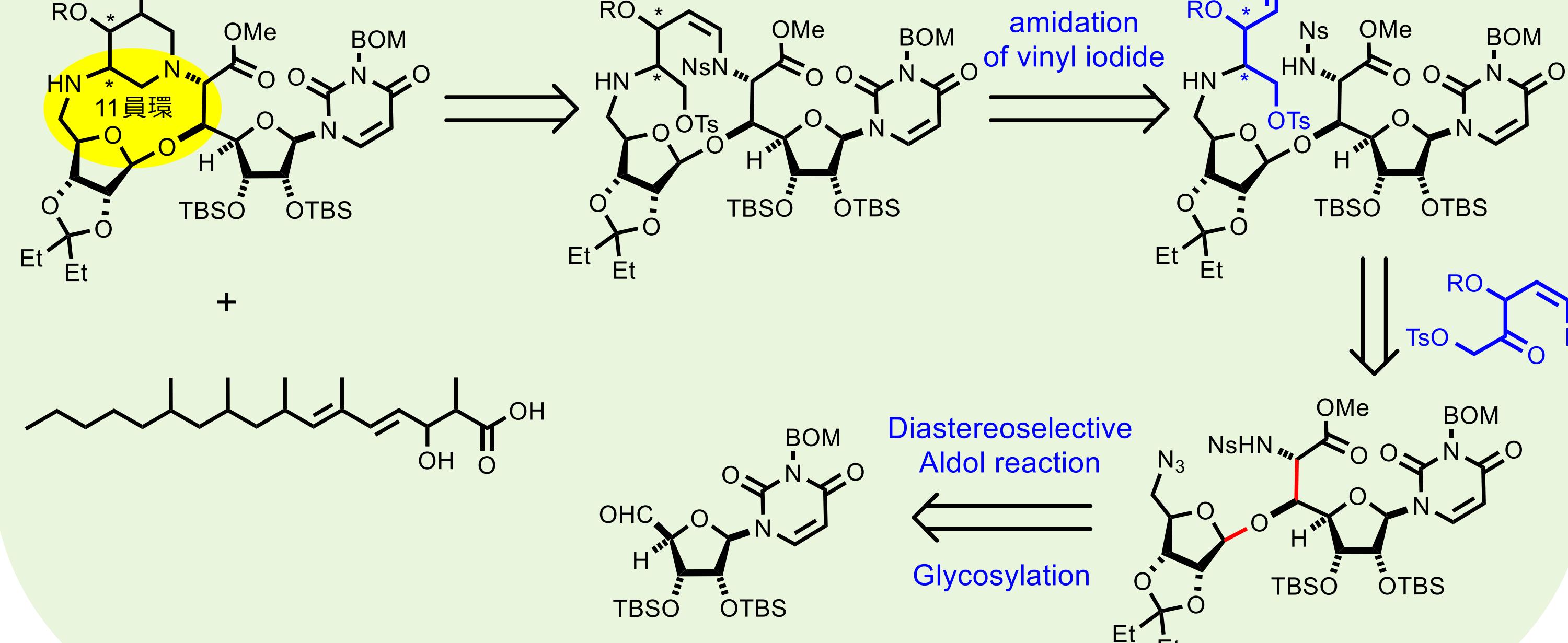
2. Retrosynthesis of Caprazamycin A



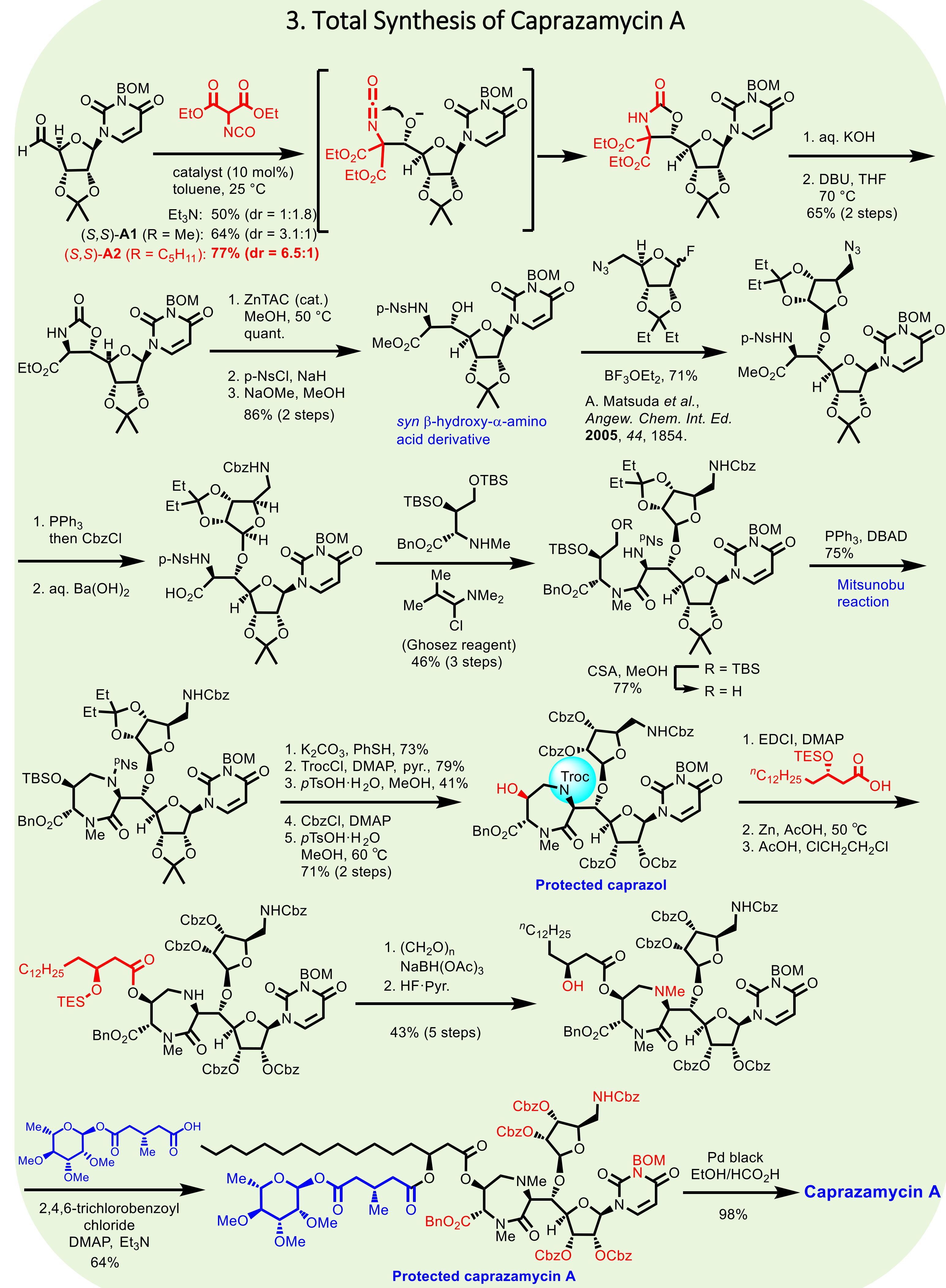
4. Sphaerimicins, Bacterial Translocase I Inhibitor



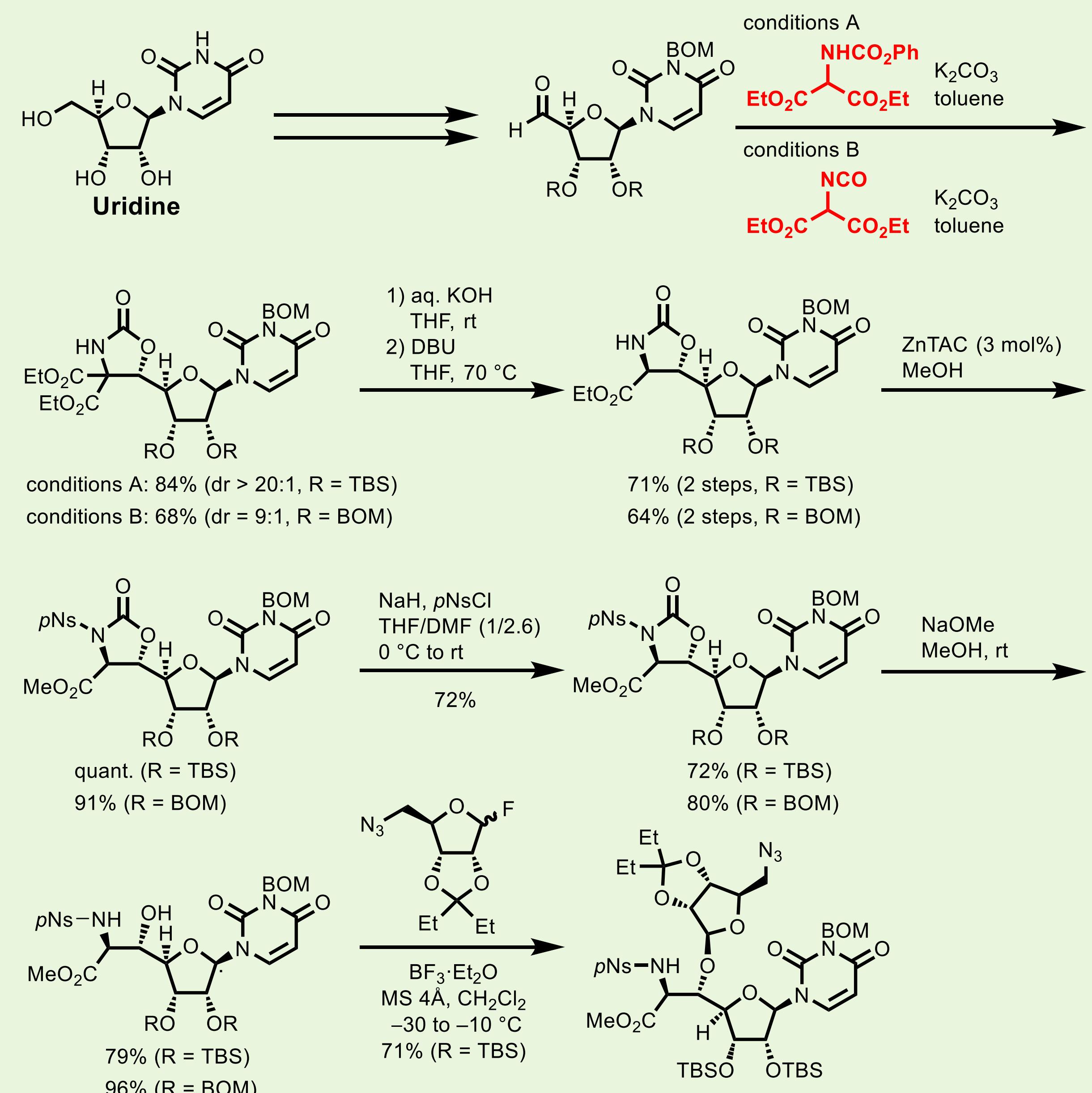
Retrosynthesis of Sphaerimicin A



3. Total Synthesis of Caprazamycin A



5. Synthetic studies of Sphaerimicins



Tsukano, C.; Yokouchi, S.; Girard, A. L.; Kuribayashi, T.; Sakamoto, S.; Enomoto, T.; Takemoto, Y. *Org. Biomol. Chem.* 2012, 10, 6074.

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