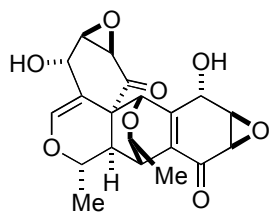
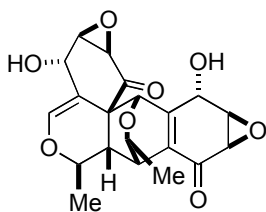


(+)-Epoxyquinols A and B (TKGP-100417)

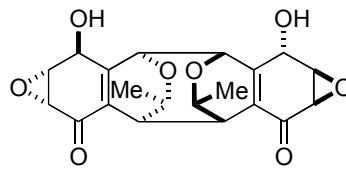
M. Shoji, Y. Hayashi<sup>1)-3)</sup>



(+)-Epoxyquinol A



(+)-Epoxyquinol B



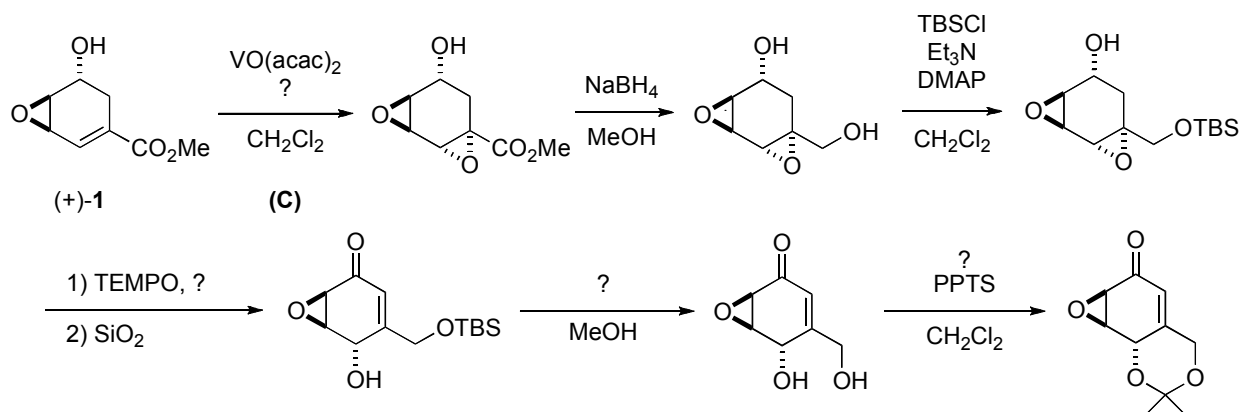
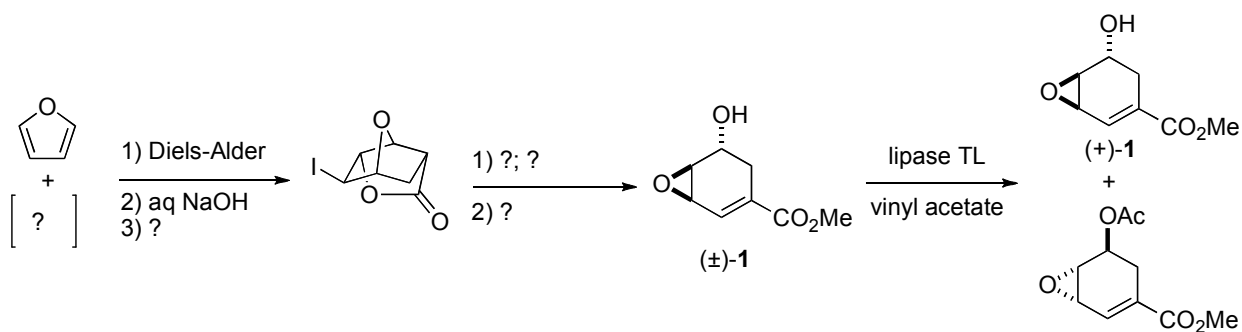
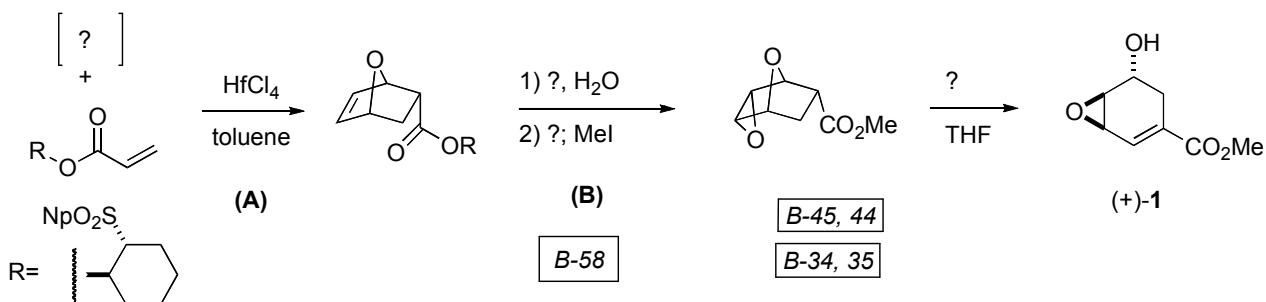
(+)-Epoxytwinol A

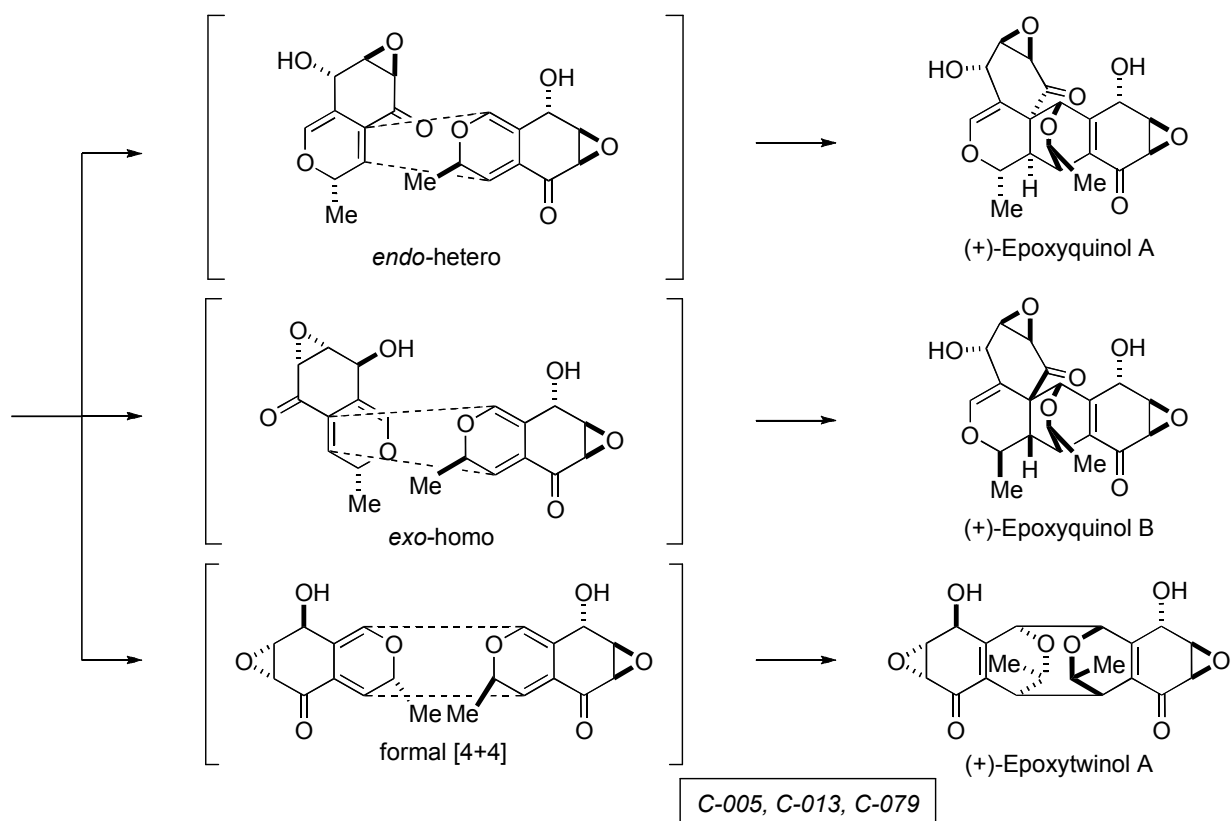
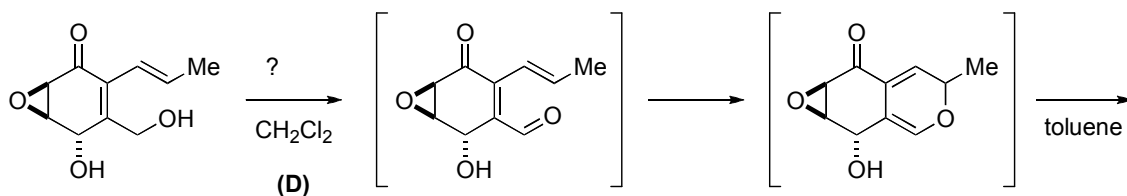
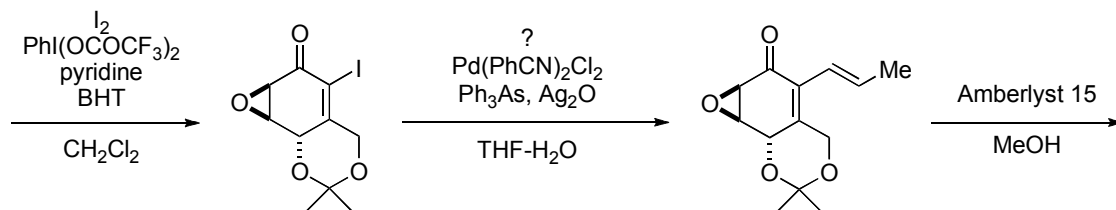
*Activity*

Anti-angiogenesis (血管新生阻害)

*Key Reactions*

(A) diastereoselective Diels–Alder reaction,  
(B) epoxide formation via iodolactone, (C) hydroxy-directed epoxydation,  
(D) biomimetic oxidative dimerization





#### References:

- 1) M. Shoji, J. Yamaguchi, H. Kakeya, H. Osada, Y. Hayashi, *Angew. Chem. Int., Ed.*, **41**, 3192 (2002)
- 2) M. Shoji, H. Imai, M. Mukaida, K. Sakai, H. Kakeya, H. Osada, Y. Hayashi, *J. Org. Chem.*, **70**, 79 (2005)
- 3) M. Shoji, Y. Hayashi, *Eur. J. Org. Chem.*, 3783 (2007)