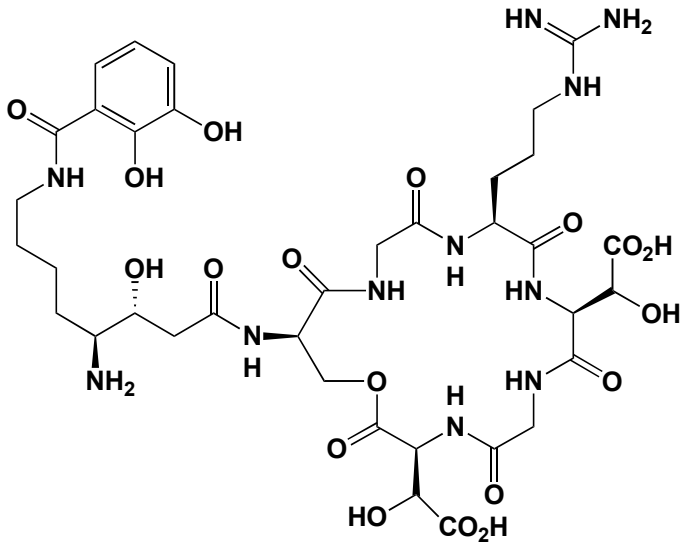
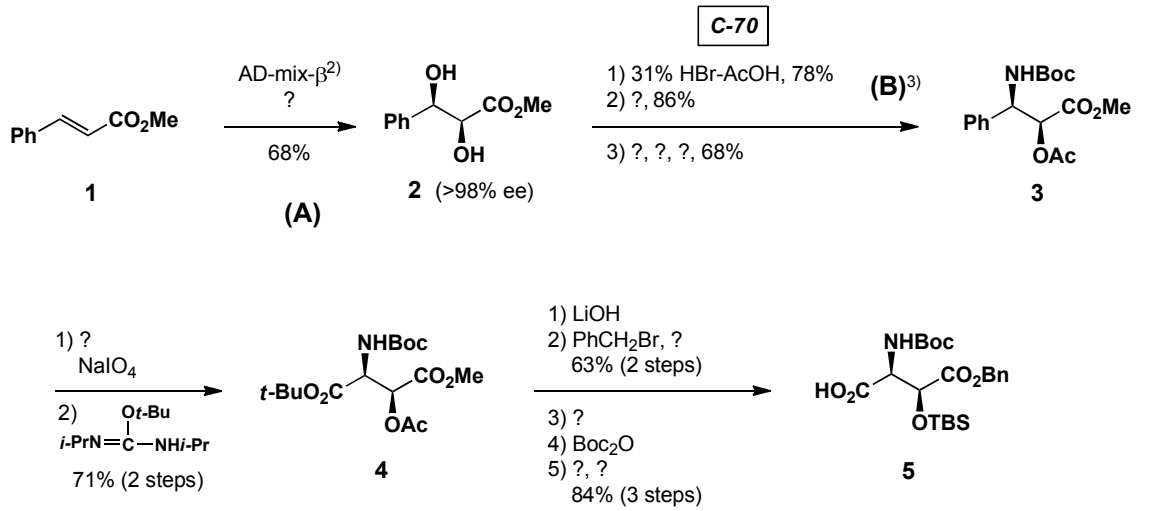
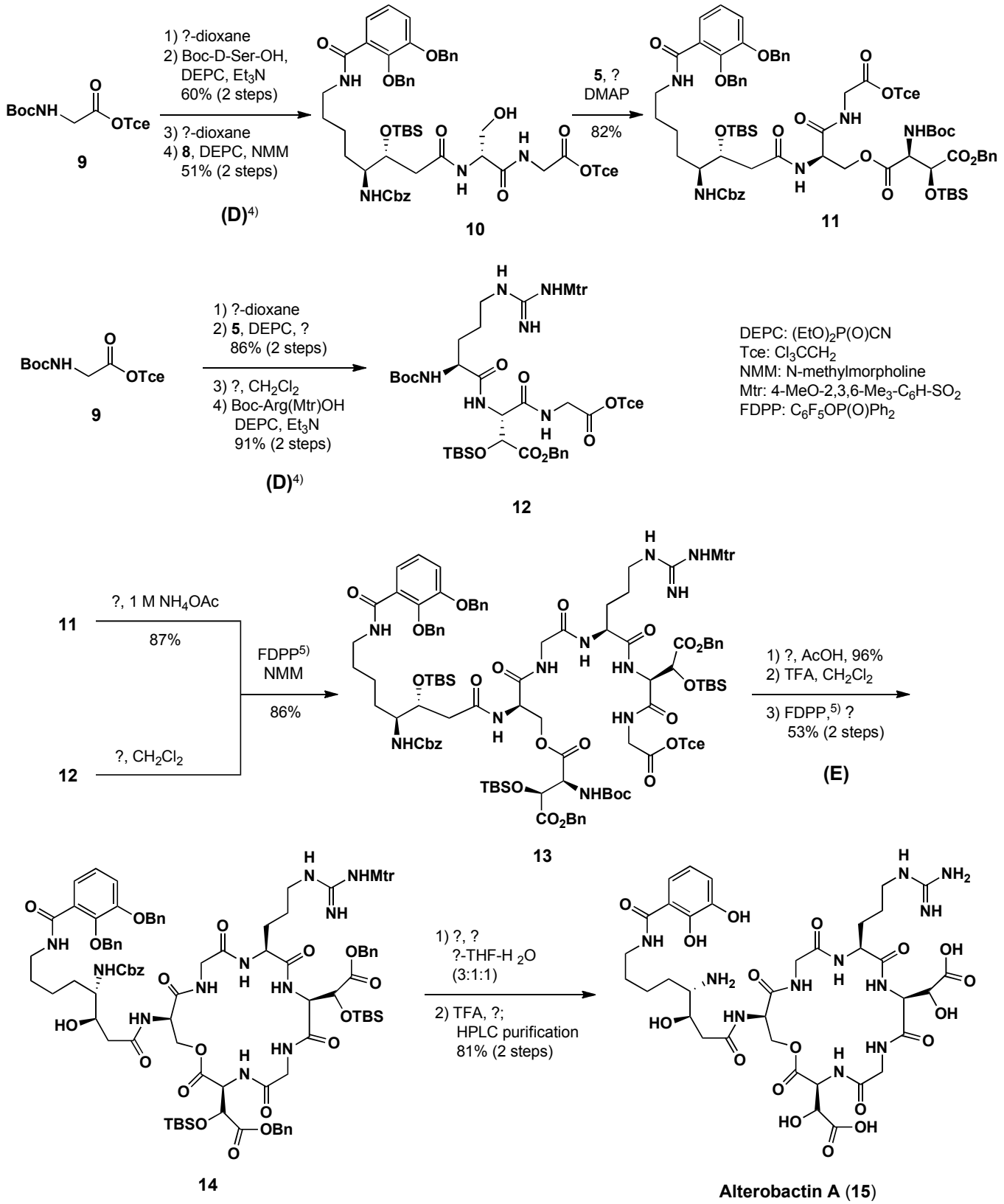
Alterobactin A* (TKGP-130615)	Takayuki Shioiri[1)]



Activities: Siderophore

Key Reactions: A) Asymmetric dihydroxylation B) Regioselective bromination
C) Diastereoselective reduction D) Coupling E) Macrolactamization





References: 1) Deng, J.; Hamada, Y.; Shioiri, T. *J. Am. Chem. Soc.* **1995**, *117*, 7824; Deng, J.; Hamada, Y.; Shioiri, T. *Synthesis* **1998**, 627.
2) Wang, Z.-M.; Kolb, H. C.; Sharpless, K. B. *J. Org. Chem.* **1994**, *59*, 5104.
3) Fleming, P. R.; Sharpless, K. B. *J. Org. Chem.* **1991**, *56*, 2869.
4) Takuma, S.; Hamada, Y.; Shioiri, T. *Chem. Pharm. Bull.* **1982**, *30*, 3147 and references therein.
5) Chen, S.; Xu, J. *Tetrahedron Lett.* **1991**, *32*, 6711.