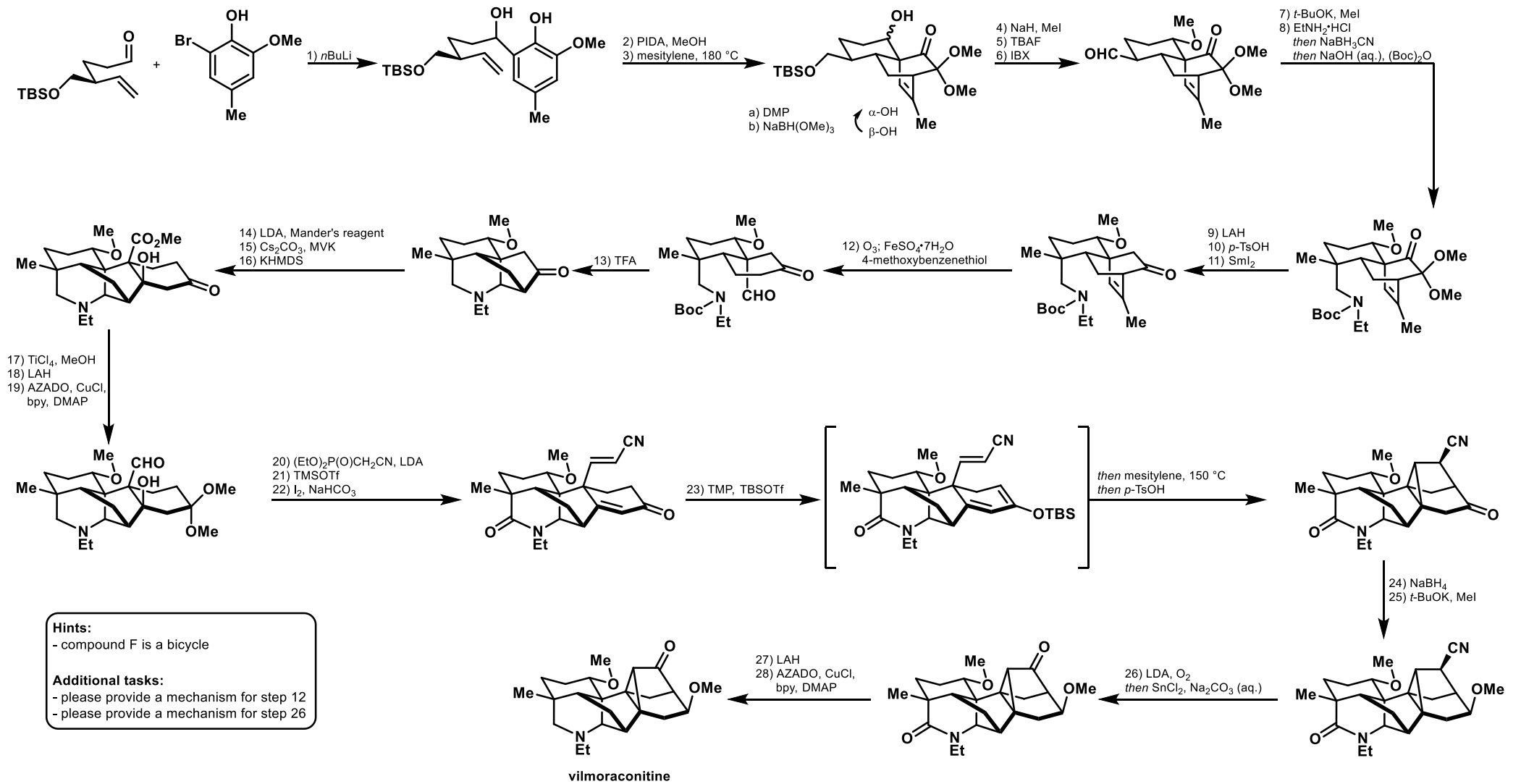


Total Synthesis of Vilmoreaonitine

J. Ji, J. Chen, S. Qin, W. Li, J. Zhao, G. Li, H. Song, X.-Y. Liu, Y. Qin, *J. Am. Chem. Soc.* **2023**, *145*, 3903-3908.



Hints:
- compound F is a bicycle

Additional tasks:
- please provide a mechanism for step 12
- please provide a mechanism for step 26