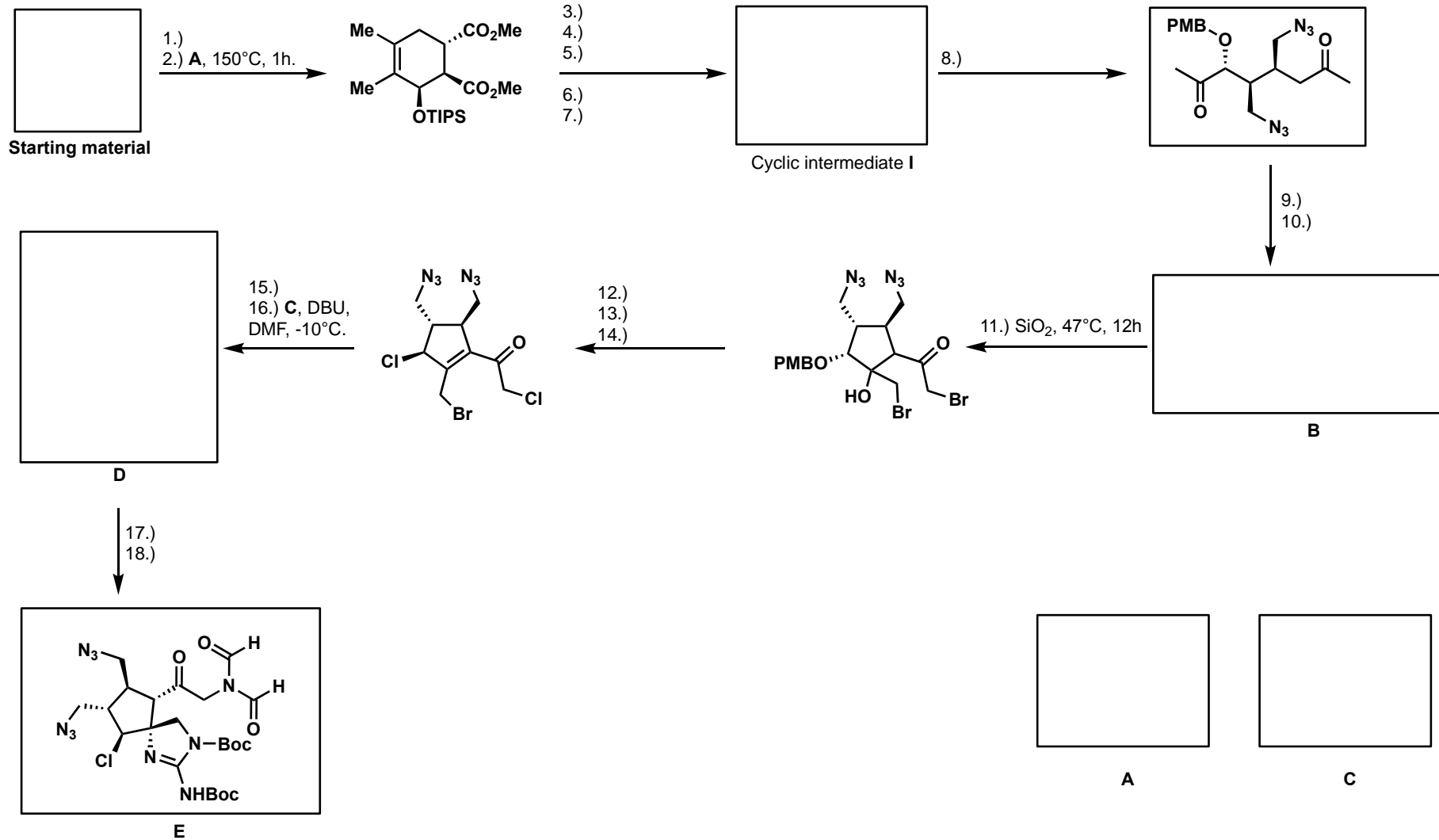
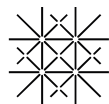


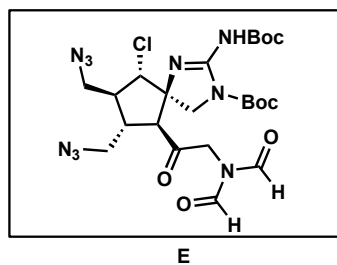
# E84: Total Synthesis of Palau'amine



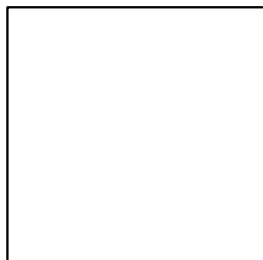
[1] I.B. Seiple, S.Su, I.S. Young, C.A. Lewis, J. Yamaguchi, P.S. Baran *ACIE* **2010**, *49*, 1095.

[2] J. Yamaguchi, I.B. Seiple, I.S. Young, D.P. O'Malley, M. Maue, P.S. Baran *ACIE* **2008**, *47*, 3578.

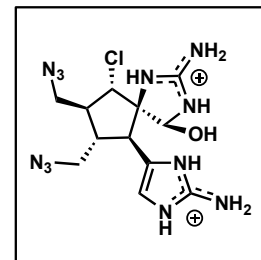




19.) 50% aq. TFA.  
20.) 10% aq. TFA, Ag-Cat



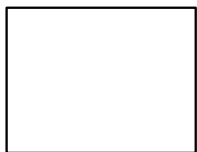
21.) H<sub>2</sub>NCN, brine.



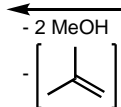
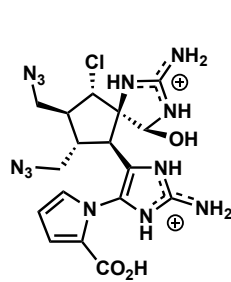
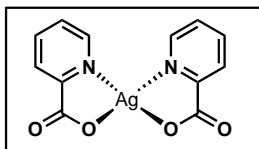
22.) TFAA, TFA  
then Br<sub>2</sub>  
23.) **G**, AcOH,  
THF, 38°C.

**Note**

Counterions are **CF<sub>3</sub>CO<sub>2</sub><sup>-</sup>**  
and are omitted for clarity



Ag-Cat. = Silver (II) Picolate



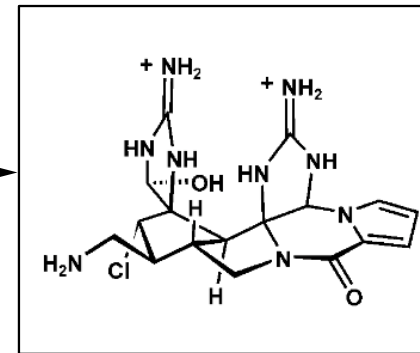
then  
TFA/DCM

24.)  
25.)



26.) TFA  
70°C

*amidine tautomere*



[1] I.B. Seiple, S.Su, I.S. Young, C.A. Lewis, J. Yamaguchi, P.S. Baran *ACIE* **2010**, *49*, 1095.

[2] J. Yamaguchi, I.B. Seiple, I.S. Young, D.P. O'Malley, M. Maue, P.S. Baran *ACIE* **2008**, *47*, 3578.

