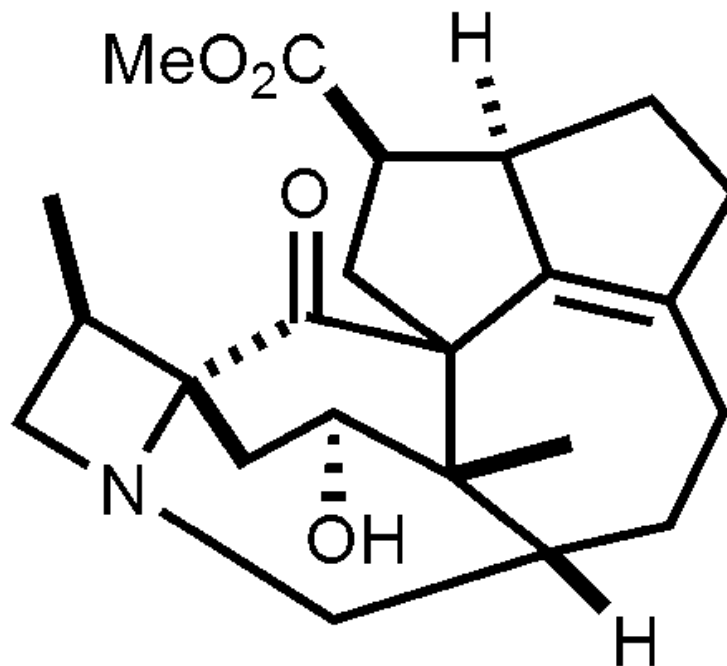


Calydaphninone



July 18, 2007

Luke

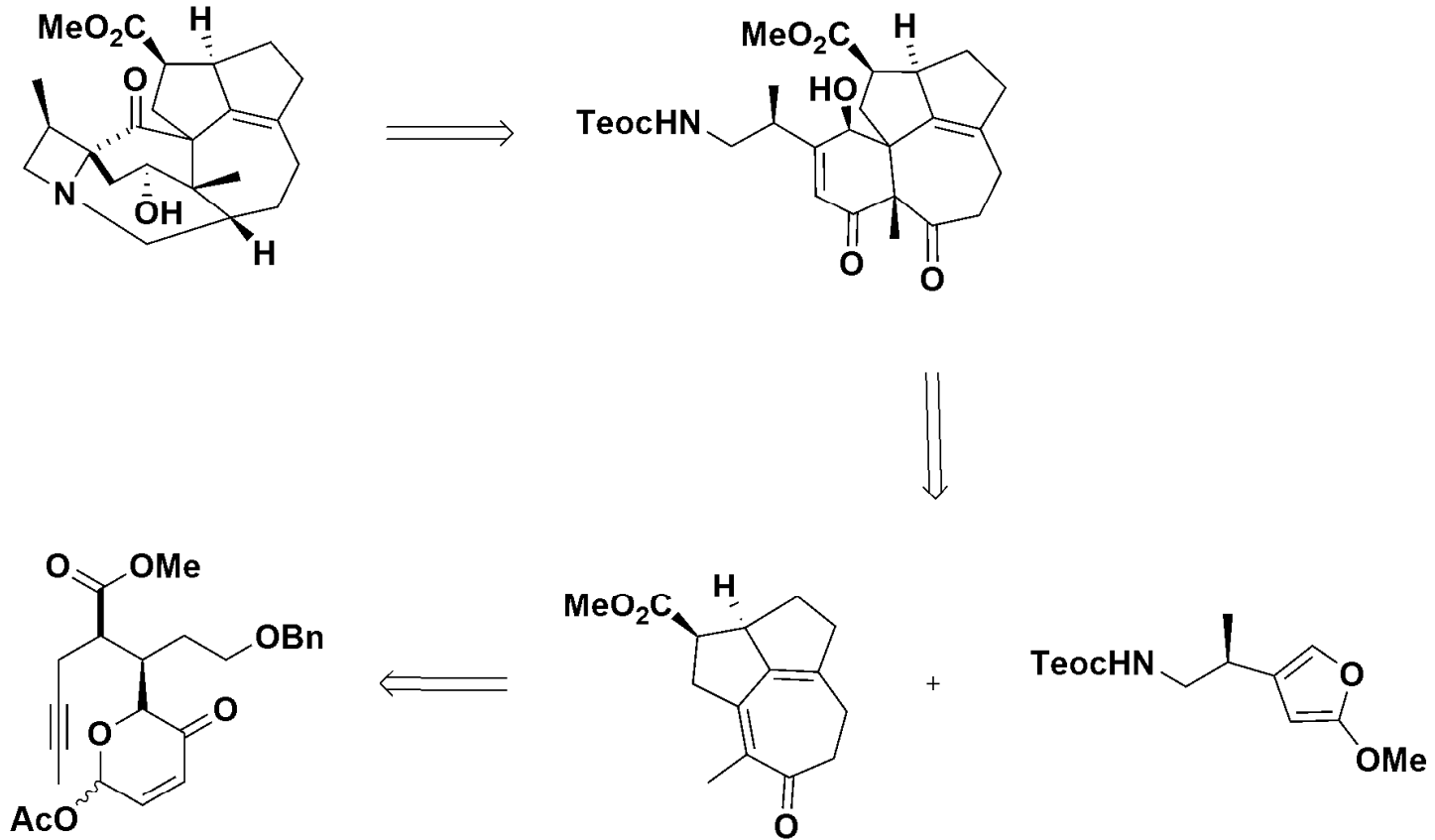
Jay

Dee

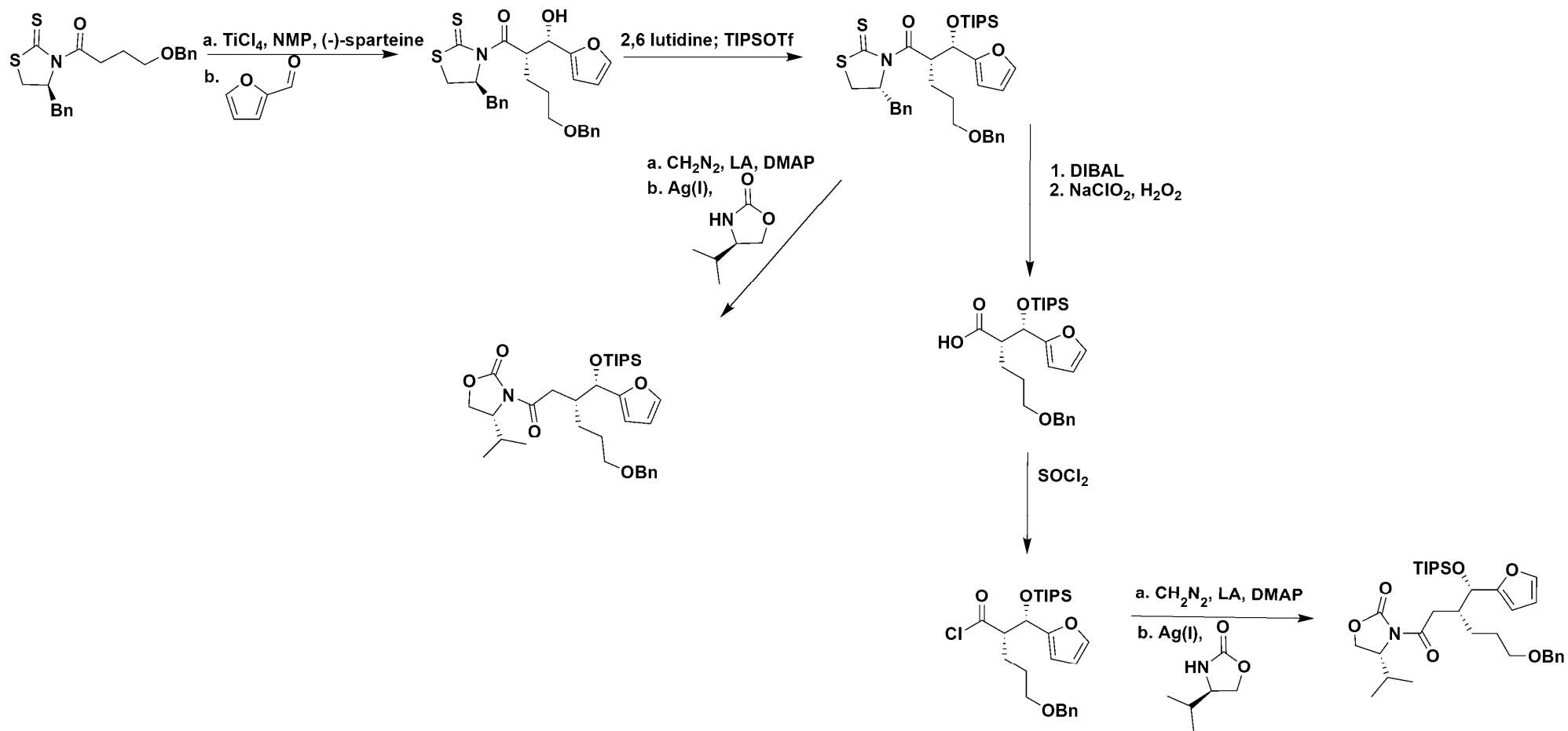
Colin

Anne-Marie

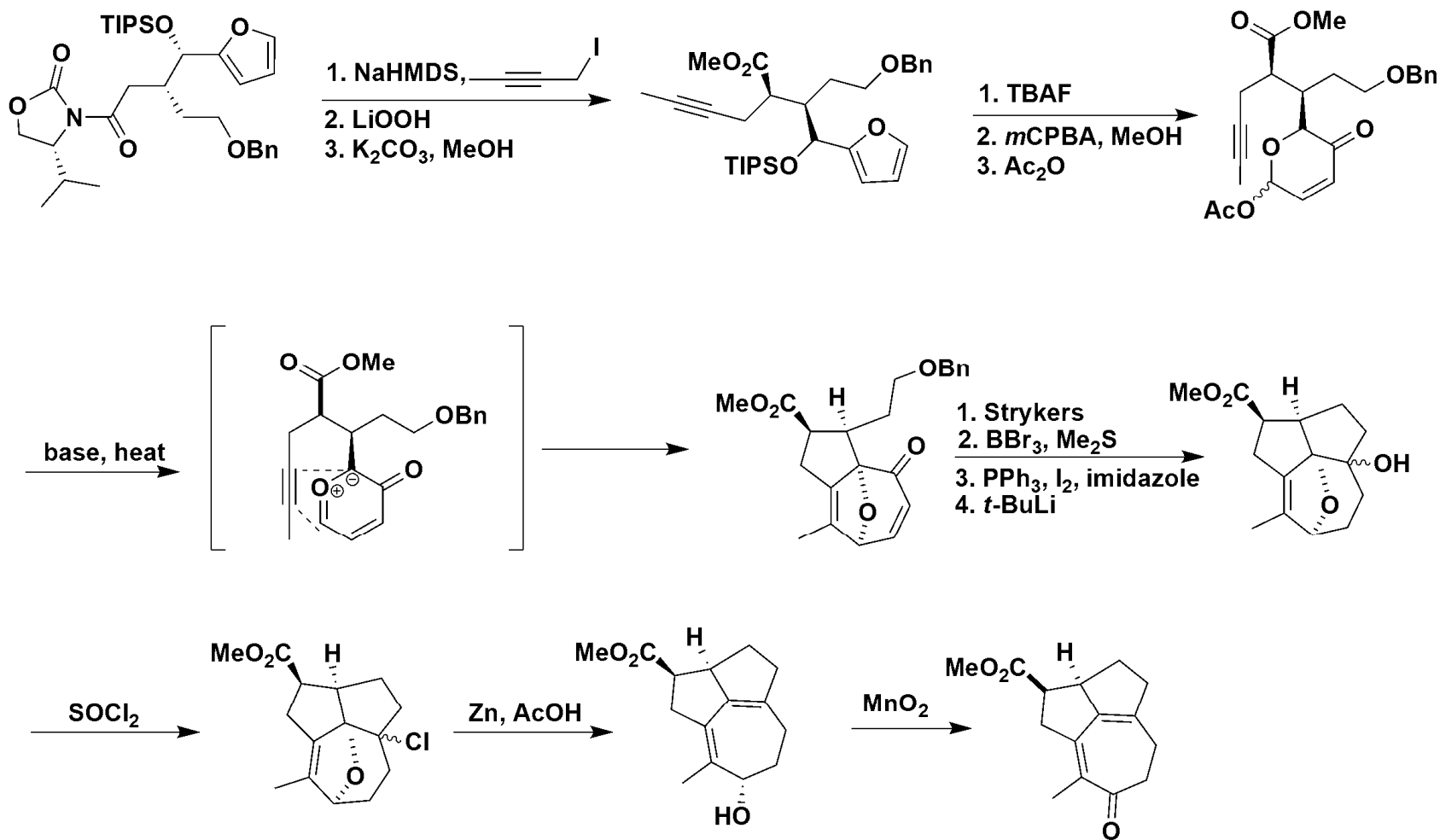
Retrosynthesis



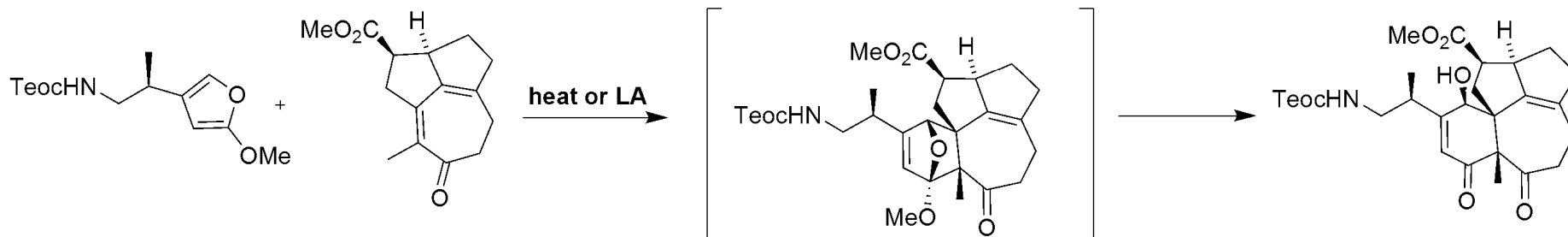
Synthesis of the 5,5,7 tricycle



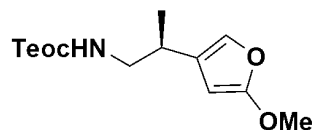
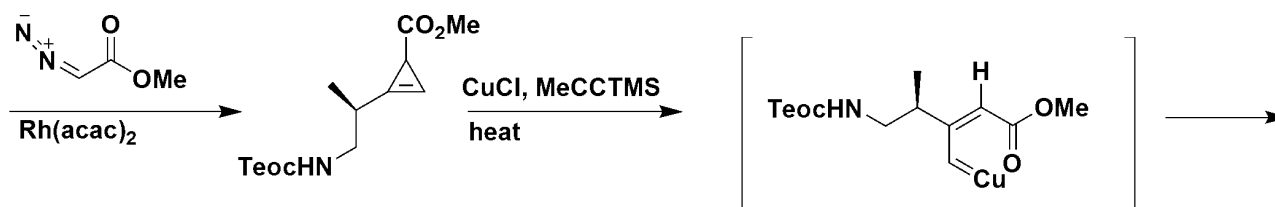
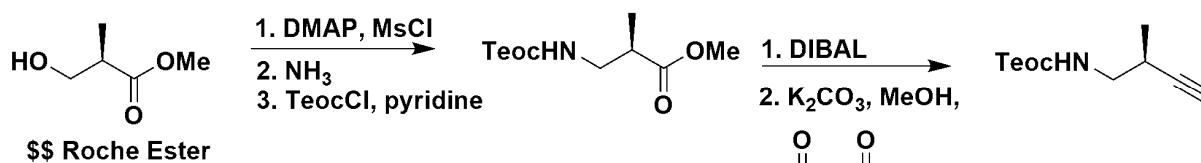
Synthesis of the 5,5,7 tricycle continued



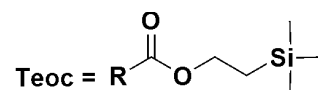
Formation of tetracycle



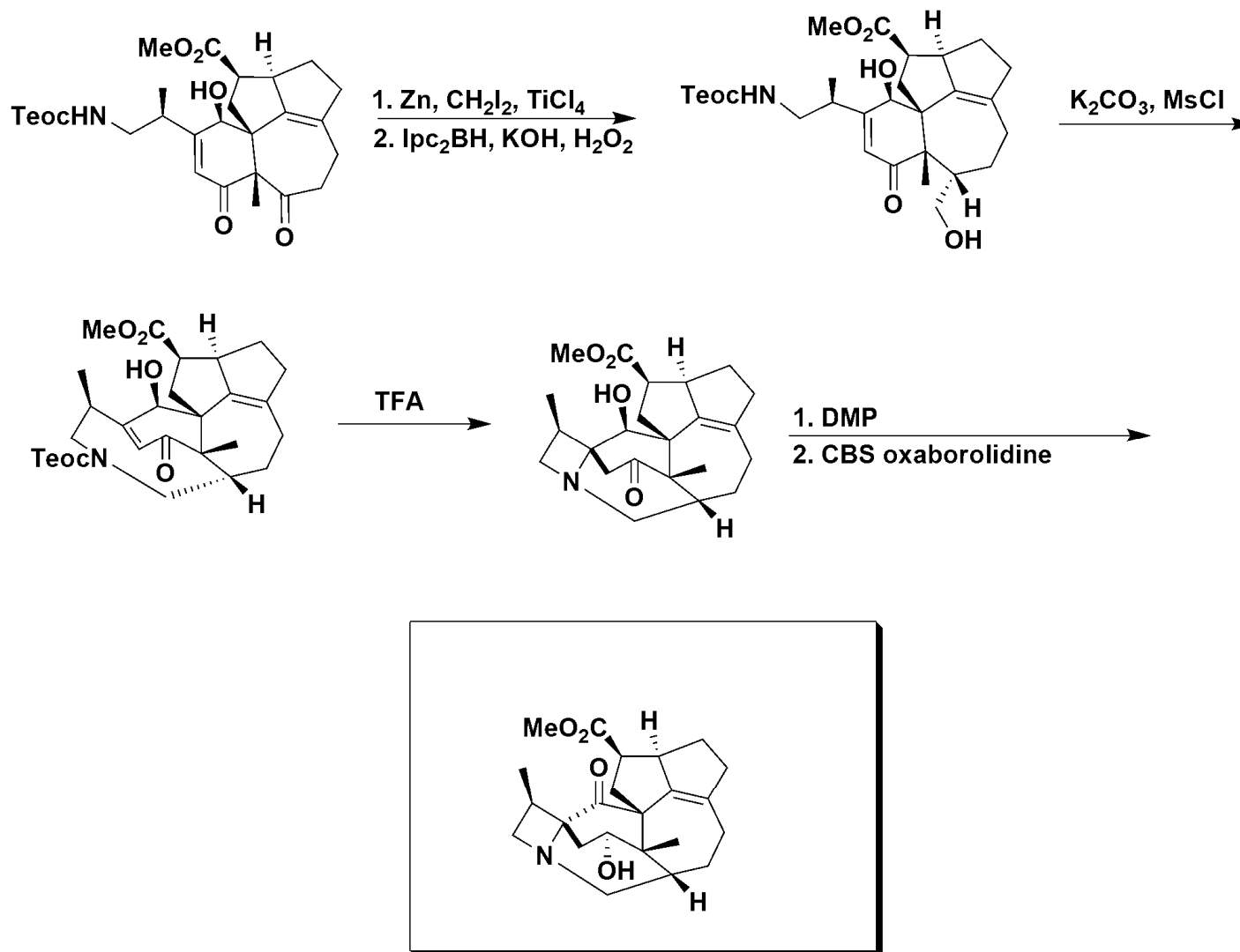
Synthesis of the Furan



Gazz. Chim. Ital. 1995, 459



End Game Strategy



Conclusion

- 24 steps longest linear sequence
- Strategies utilized:
 - Arndt-Eistert Homologation
 - Diels-Alder Cycloaddition
 - Dipolar Cycloaddition