

Spivey Group Problem Session - Total Synthesis of (-)-Maoecrystal Z  
 October 2011 - Lucy Smith

Maoecrystal Z is a natural product from the Chinese medicinal herb *Isodon eriocalyx*. A total synthesis of (-)-maoecrystal Z was reported in 2011 and the overall reaction scheme is shown below. Please suggest reagents, conditions, mechanisms and products where indicated.

