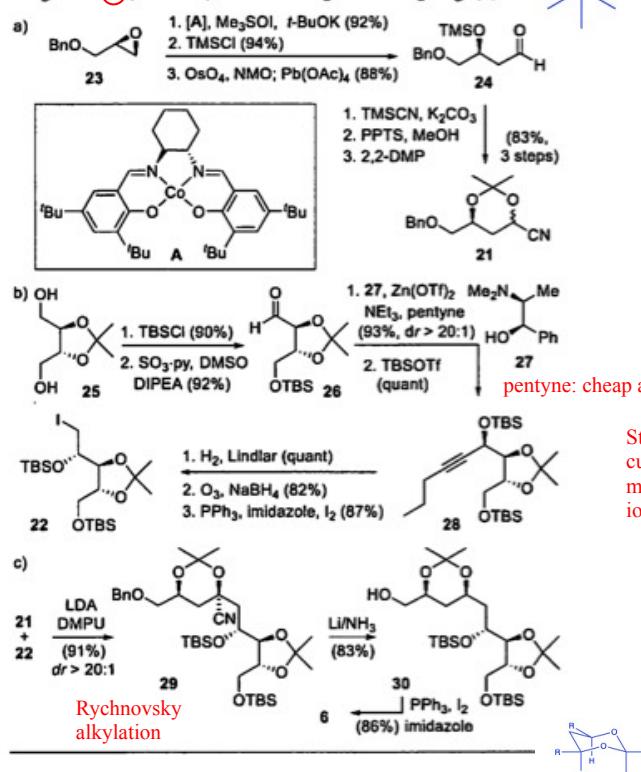


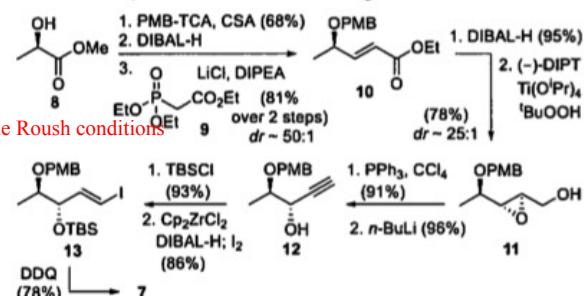
## C-C bond formation:



**Scheme 4.** Synthesis of Subunits 21 and 22 of Eastern Fragment (a and b) and Subsequent Coupling (c)



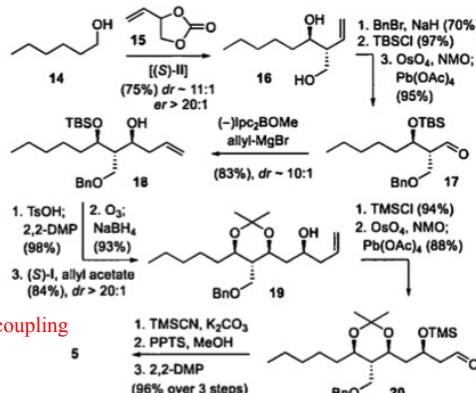
**Scheme 2. Synthesis of Western Fragment 7**



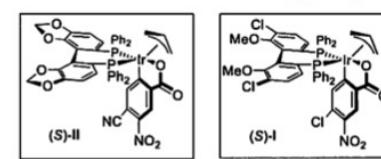
crucial for polar 3  
and non-polar 4

notoriously labile  
pentaene

**Scheme 3. Synthesis of Northern Fragment 5**



## Krische coupling



**Scheme 5. Fragment Coupling and Completion of the Total Synthesis of Pentamycin (1)**

