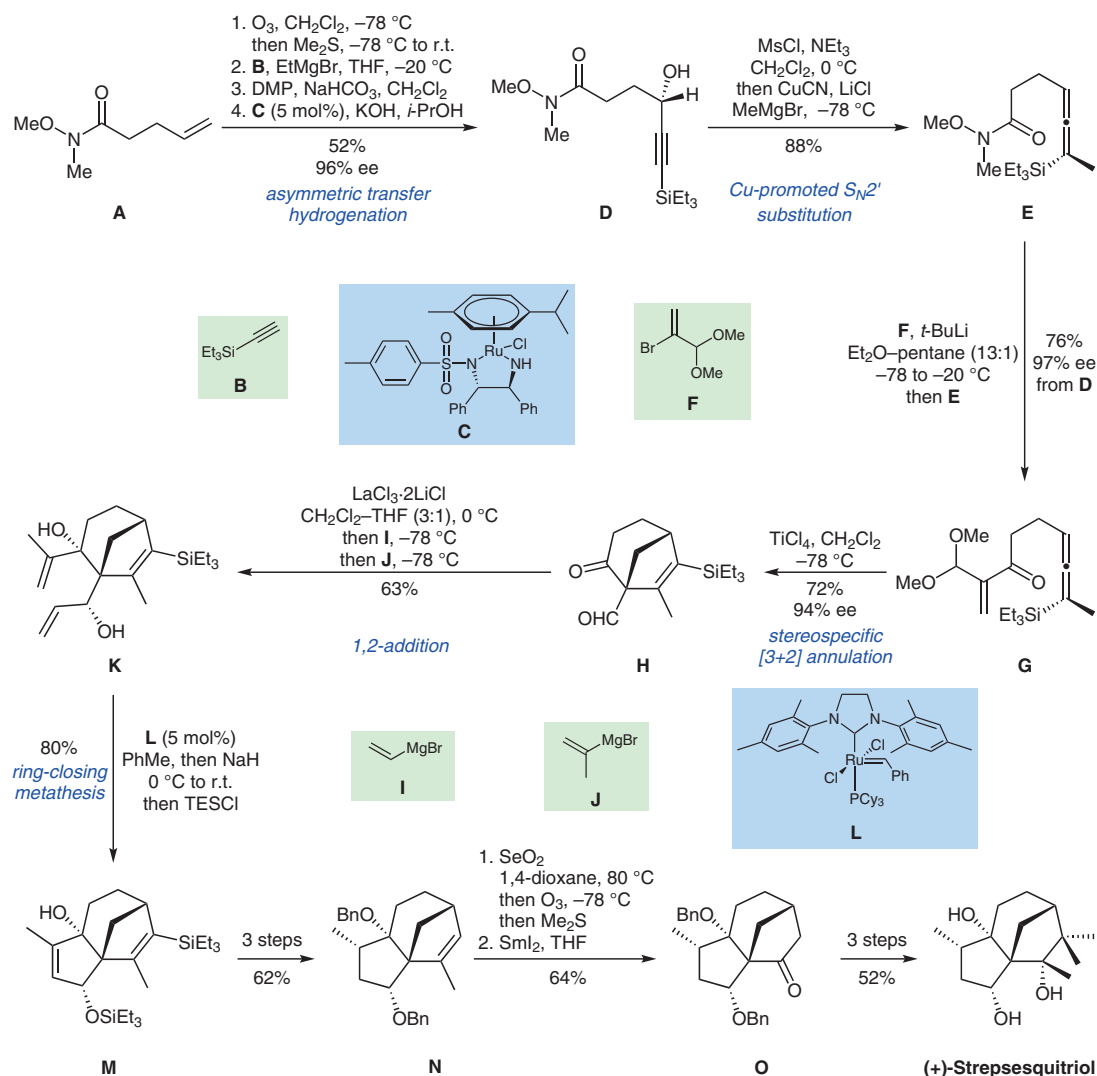


Total Synthesis of (+)-Strepsesquitriol



Significance: Han, Li and co-workers present the first asymmetric total synthesis of (+)-strepsesquitriol. To access the bridged bicyclo[3.2.1]octane ring system, the authors developed a type II intramolecular [3+2] annulation of allenylsilane.

Comment: The bicyclo[3.2.1]octane **H** was accessed through stereospecific [3+2] annulation of allenylsilane-ene **G**. Double Grignard addition followed by ring-closing metathesis afforded the fused system **M**. Functional group adjustments and global deprotection completed the synthesis of (+)-strepsesquitriol.