Synthesis of Four Kopsane Alkaloids

Significance: The kopsanes are a family of heptacyclic alkaloids. Jia and co-workers report a divergent and enantioselective synthesis of four members based on a common intermediate.

Comment: Ruthenium-catalyzed dihydroxylation of vinyl chloride $G$ and reductive enolization with concomitant aldon addition followed by oxidation yields diketone $H$, which is elaborated to the common heptacyclic intermediate $K$. 

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