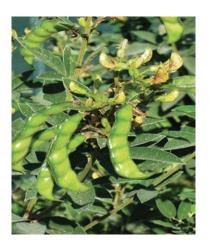
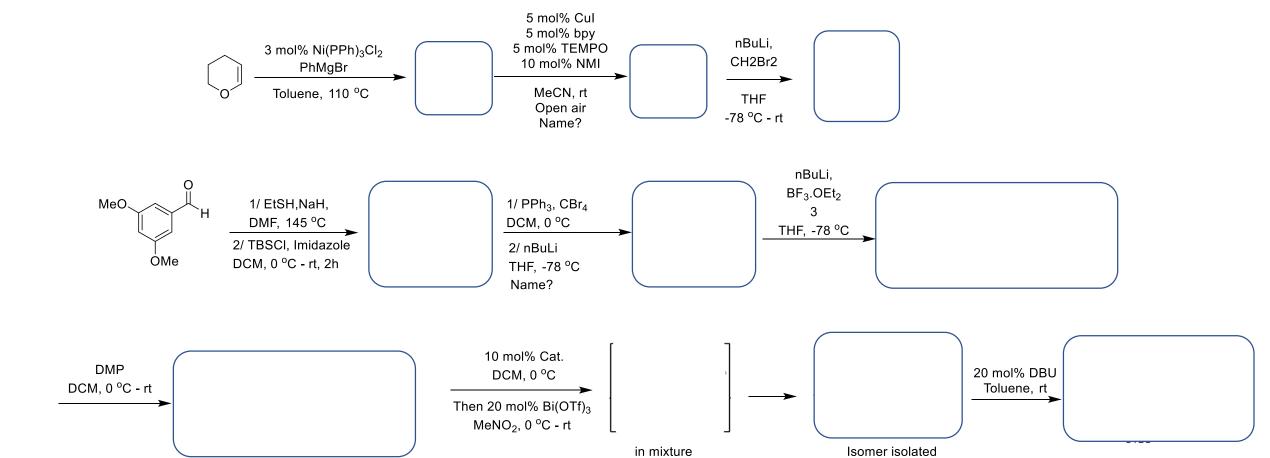
Total Synthesis of (-)-Cajanusine

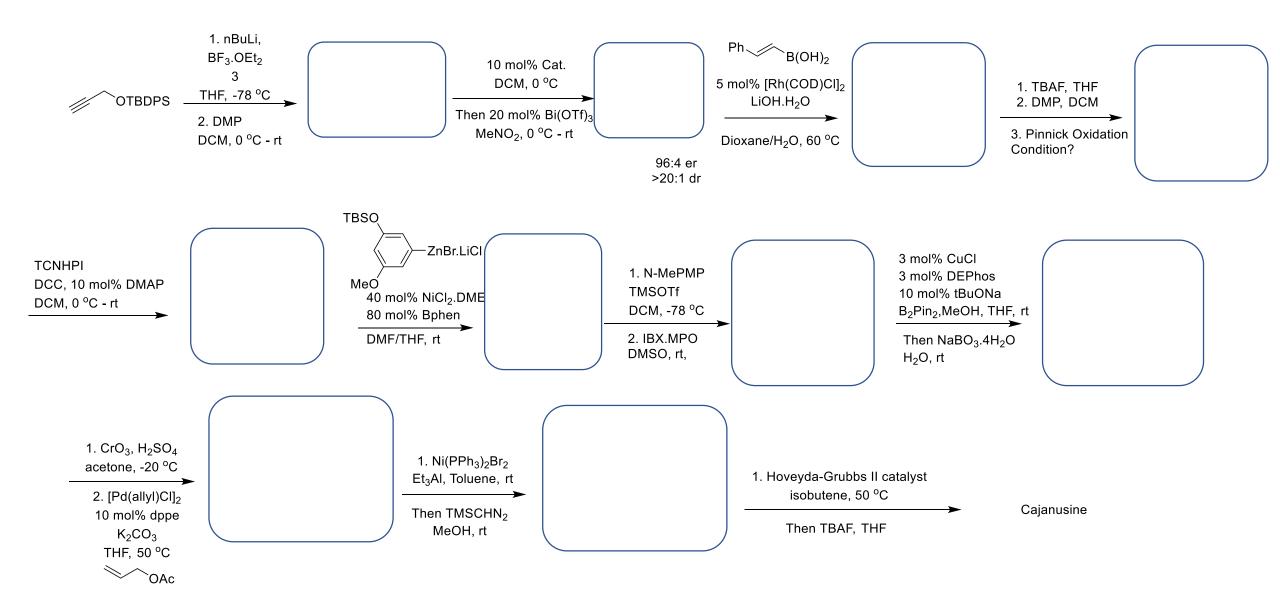


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- ✓ Isolated from the leaves of plant Cajanus cajan (Linn.)
- ✓ This plant have been used as folk medicine for the treatment of diabetes, plasmodiosis, sickle cell anemia, hepatic disorders, and avascular necrosis of the femoral head.
- ✓ Skeleton presumably arises from two heterogeneous monomeric stilbenes

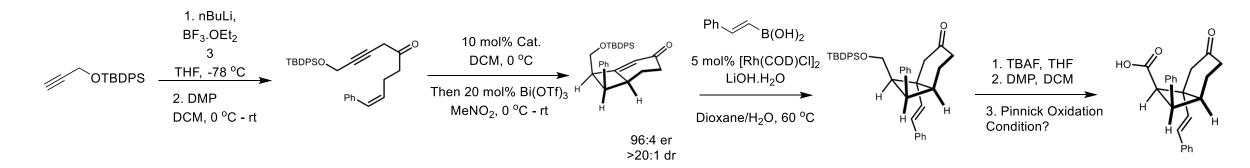


$$F_3C \xrightarrow{CF_3} N \xrightarrow{N} N$$
 Quinine



MeO H
$$\frac{O}{O}$$
 H $\frac{O}{O}$ H

$$F_3C \xrightarrow{CF_3} S \xrightarrow{N} N$$
 Quinine



THF, 50 °C

`OAc