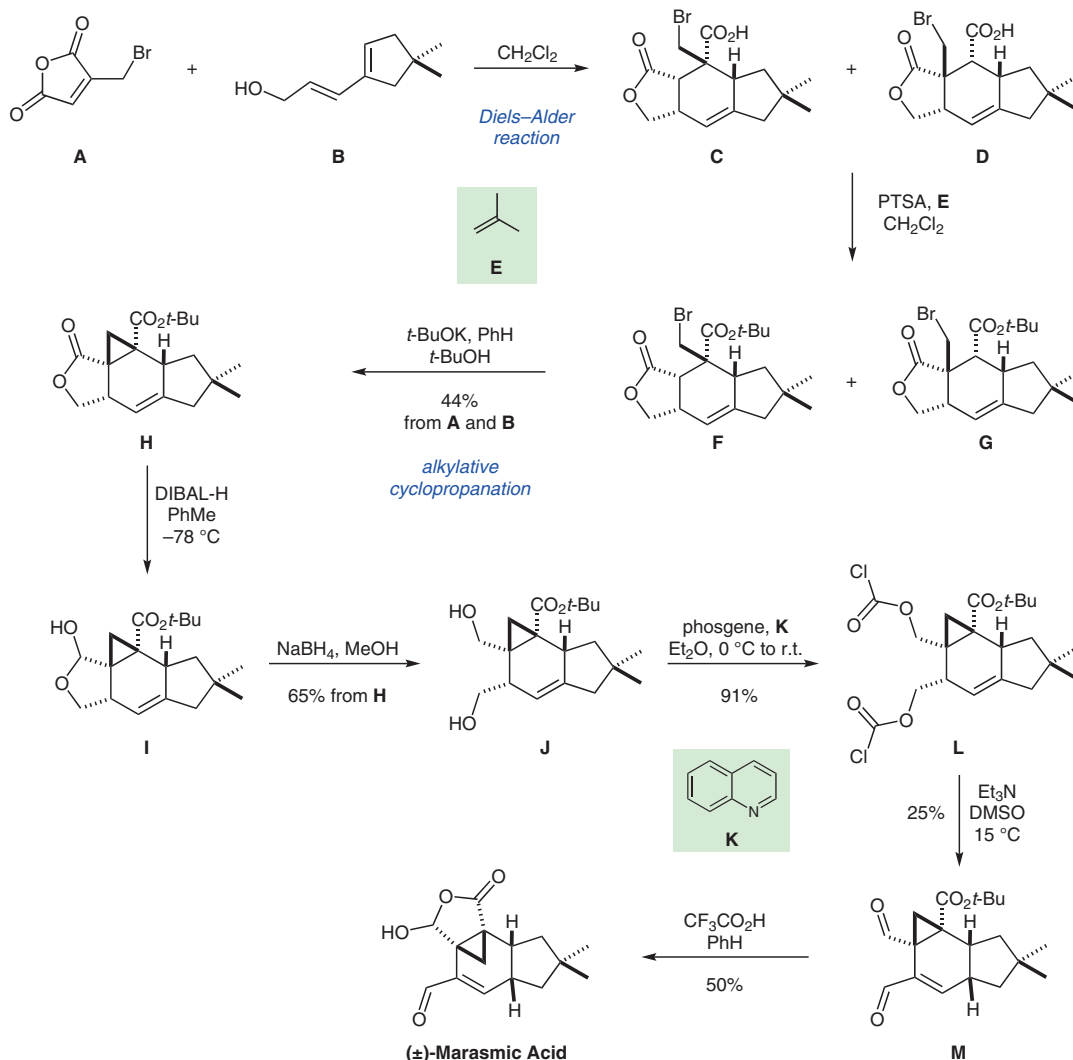


## Total Synthesis of (±)-Marasmic Acid



**Significance:** The authors present the synthesis of (±)-marasmic acid, one of the fungal metabolites isolated from *Basidiomycetes*. The structure features a hydrindane with a *cis* relationship between the cyclopropane ring and the vicinal hydrogen at the ring fusion.

**Comment:** The synthetic endeavors start with a Diels–Alder reaction that results in two inconsequential regioisomers. Convergent alkylative cyclopropanation of the mixture gives a single tetracyclic product **H**. Diol **J** is converted to the corresponding dichloroformate **L** and subsequently oxidized to obtain dialdehyde **M**. Finally, treatment with trifluoroacetic acid affords (±)-marasmic acid.