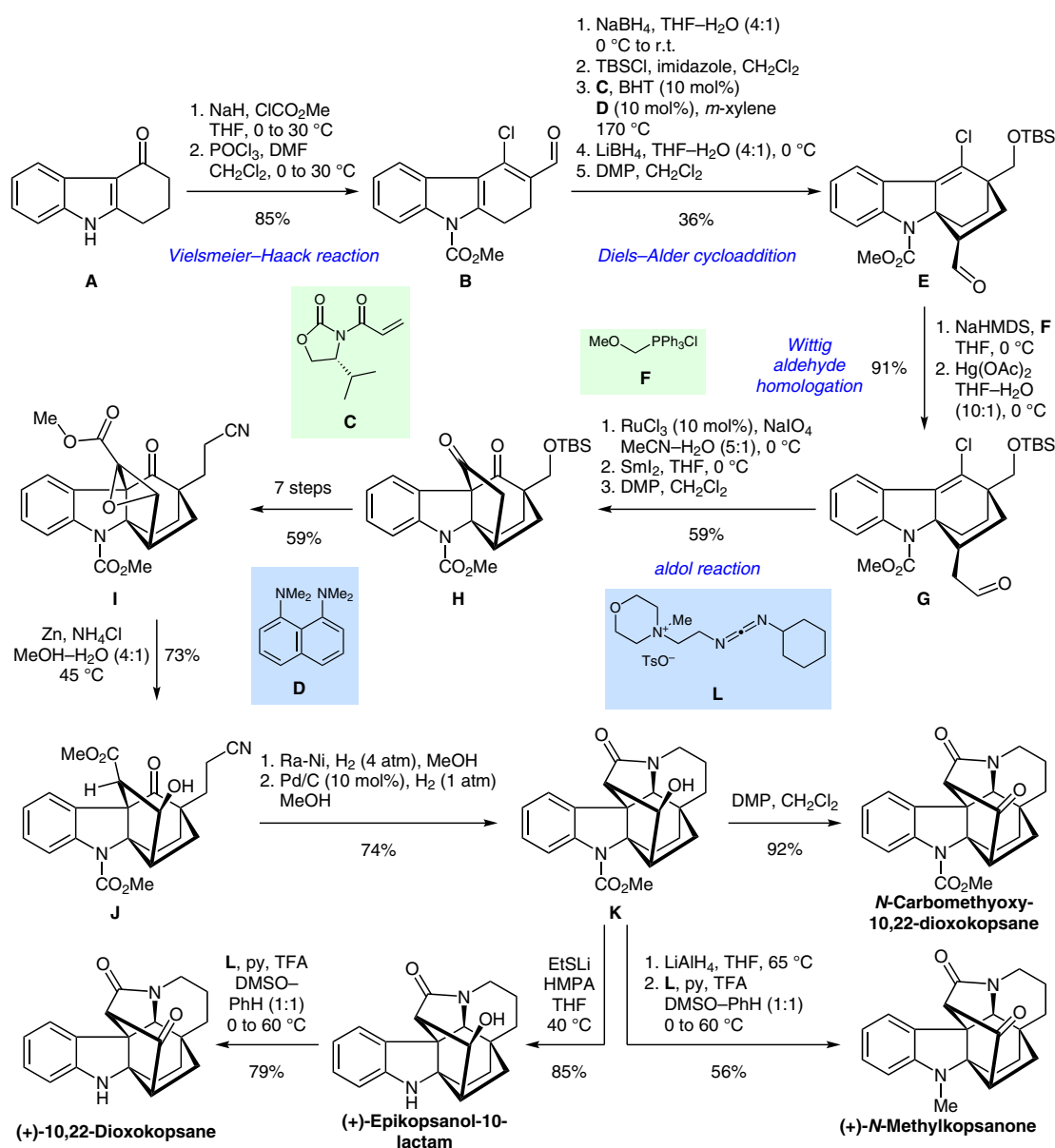


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Divergent Total Synthesis of Four Kopsane Alkaloids: *N*-Carbomethoxy-10,22-dioxokopsane, Epikopsanol-10-lactam, 10,22-Dioxokopsane, and *N*-Methylkopsanone

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## 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 aldol addition followed by oxidation yields diketone **H**, which is elaborated to the common heptacyclic intermediate **K**.

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