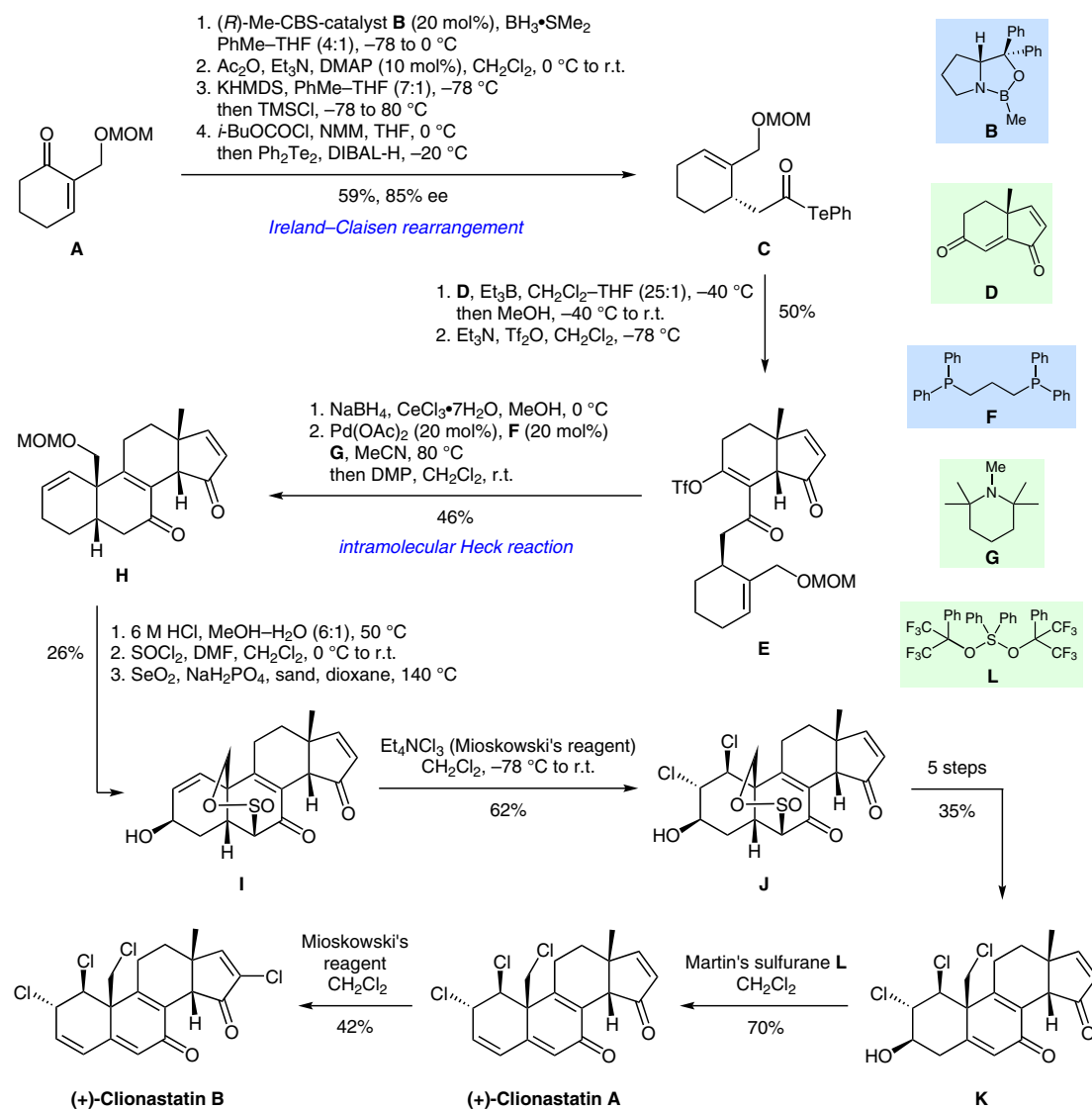


## Total Synthesis of (+)-Clionastatins A and B



**Significance:** Gui and co-workers report the first total synthesis of (+)-clionastatins A and B, a novel class of polyhalogenated steroids isolated from a natural source. The synthesis led to revision of the originally proposed structures.

**Comment:** Acyl telluride **C** was accessed in three steps from enone **A**. Subsequent regioselective acyl radical addition afforded enol triflate **E** which underwent an intramolecular Heck reaction. Sultine **I** then allowed for diastereoselective dichlorination of the cyclohexene motive furnishing dichloride **J**. Finally, desaturation and chlorination gave rise to the natural products.