

## SYNFACTS Highlights in Current Synthetic Organic Chemistry

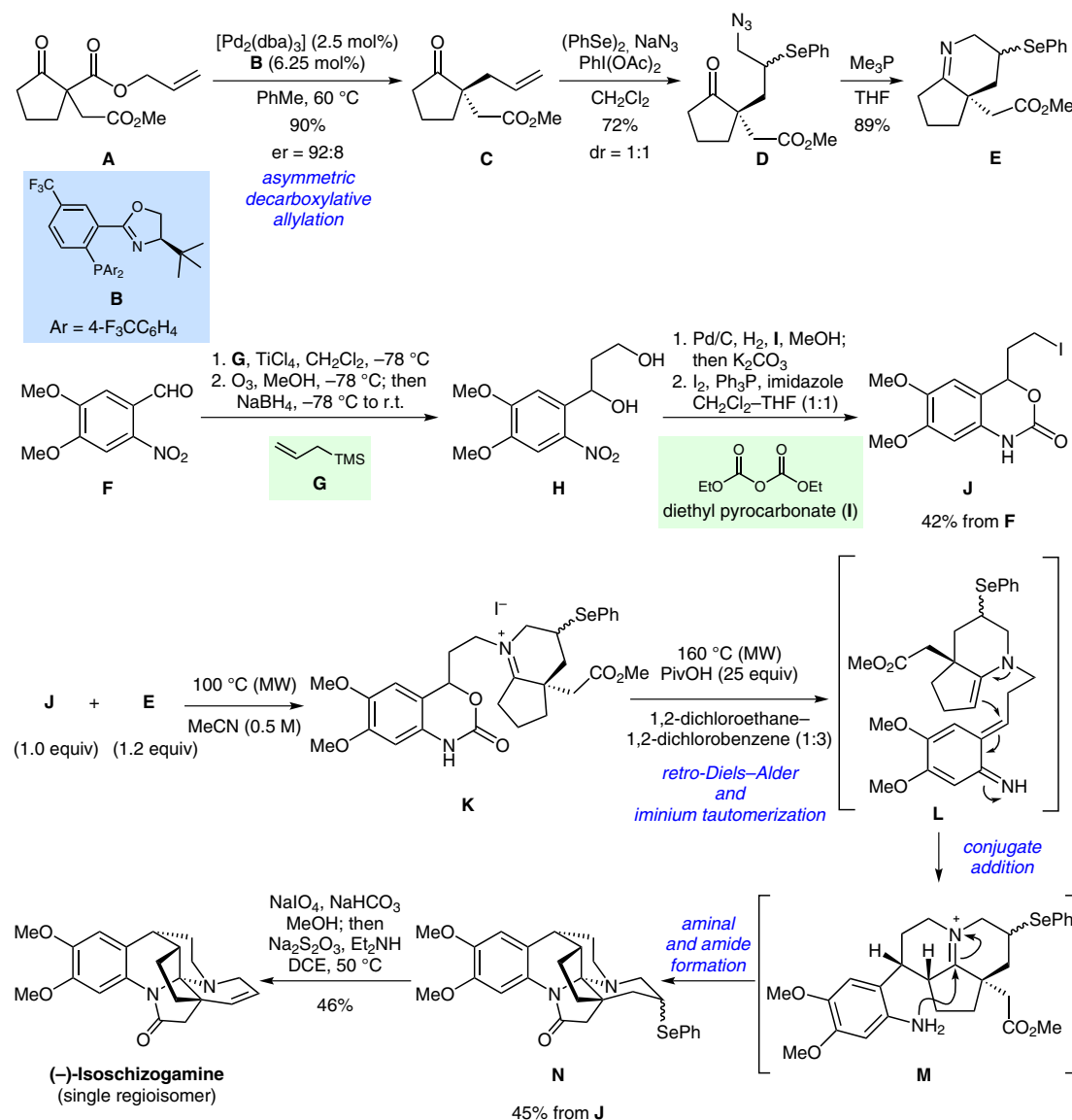
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## Total Synthesis of (–)-Isoschizogamine



**Significance:** The rearranged alkaloid (–)-isoschizogamine was accessed by a cascade sequence via aza-ortho-quinone methide **L** as the key reactive intermediate. This methide underwent a conjugate addition, followed by amination formation, to give the tetracyclic core structure of the natural product.

**SYNFACTS Contributors:** Erick M. Carreira, Alberto Kravina  
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**Comment:** An enantioselective decarboxylative allylation was used en route to fragment **E**, that was coupled to iodide **J** under microwave irradiation. Further irradiation of the coupled product **K** in the presence of pivalic acid gave amination **N** in 45% yield, that was converted into the natural product by selenoxide pyrolysis.