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Enantioselective Total Synthesis of (+)-Flavisiamine F via Late-Stage Visible-Light-Induced Photochemical Cyclization Angew. Chem. Int. Ed. 2019, 58, 5443-5446.

## Total Synthesis of (+)-Flavisiamine F

**Significance:** Xia and co-workers report the first enantioselective total synthesis of the Kopsia alkaloid (+)-flavisiamine F. The authors elegantly solve the synthetic puzzle posed by this strained polycyclic natural product by using a strategy involving two [3,3]-sigmatropic rearrangements, ring-closing metathesis, Mannich reaction, and iridiumcatalyzed radical cyclization.

**Comment:** Nozaki–Hiyama–Kishi coupling of the enol triflate derived from **c** followed by oxidation and stereoselective reduction gave E. Sequential Overman and Claisen rearrangements afforded ketone F en route to allyl amine G, which then underwent Mannich reaction and ring-closing metathesis. Halogenation and iridium-mediated photocyclization provided I, which was elaborated into the target molecule by Strecker reaction and hydrolysis.

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**Synthesis of Natural** Products and **Potential Drugs** 

## Key words

(+)-flavisiamine F

Nozaki-Hiyama-Kishi reaction

Claisen rearrangement

Overman rearrangement

photocyclization

Strecker synthesis

