## Total Synthesis of Lucidumone through Convenient One-pot Preparation of the Tetracyclic Skeleton by Claisen Rearrangement and Subsequent Intramolecular Aldol Reaction

Yuichiro Kawamoto,* Naoki Noguchi, Toyoharu Kobayashi, and Hisanaka Ito*


 tetracyclic skeleton

lucidumone

- One previously reported synthesis, 19 steps
- This work, 14 steps (racemic), 16 steps (asymmetric)


## Retrosynthetic Analysis




























