Asymmetric De Novo Synthesis of a Cucurbitane Triterpenoid: Total Synthesis of Octanorcucurbitacin B



octanorcucurbitacin B

- Cucurbitanes are known to possess antitumor, antiinflammatory, and anti-HIV activities
- *cis*-fused BC ring system that results in a convex tetracyclic system
- Octanorcucurbitacin B was isolated from the stems of the bitter gourd, *Momordica charantia*
- 15 chemical steps

Jason Wu Liu group Total Synthesis 6/22/2022

Retrosynthetic Analysis of Octanorcucurbitacin B































