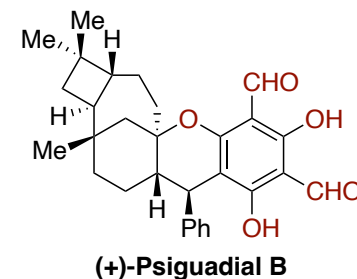
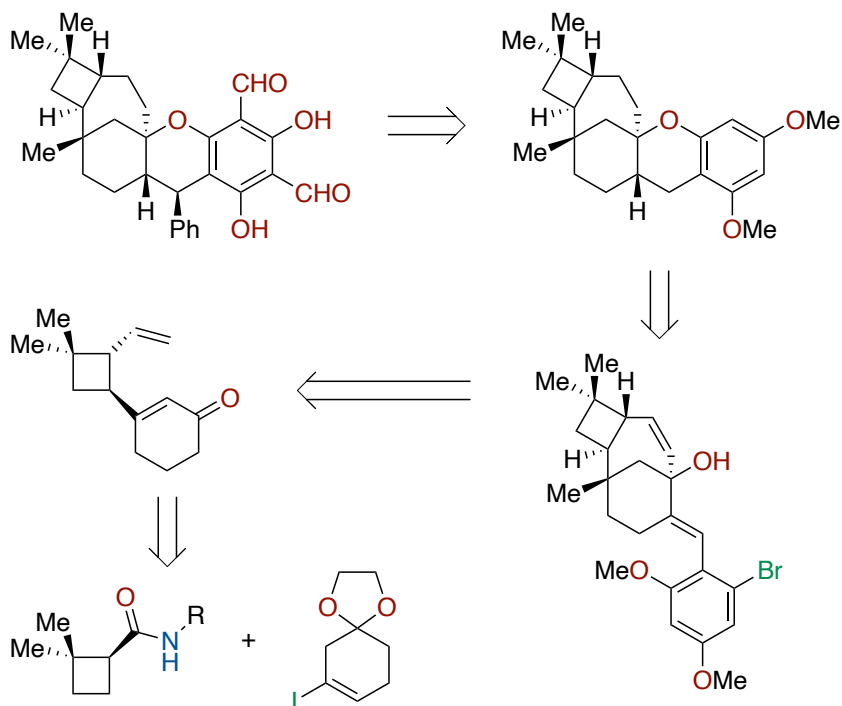


Background:

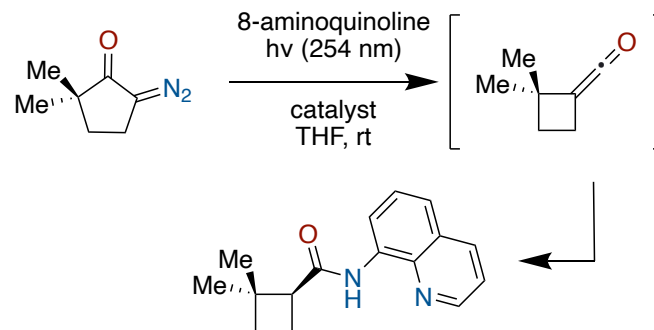
- (+)-Psiguadial B is a diformyl phloroglucinol-containing meroterpenoid
- Isolated from the leaves of *Psidium guajava*, a plant used in traditional Chinese medicine
- Demonstrates potent anti-cancer activity against human hepatoma cells (HepG2 IC₅₀ = 46 nM)



Retrosynthesis:



**Tandem Wolff Rearrangement/
Catalytic Asymmetric Ketene Addition:**



Selected Chiral Catalyst Screening Results:

