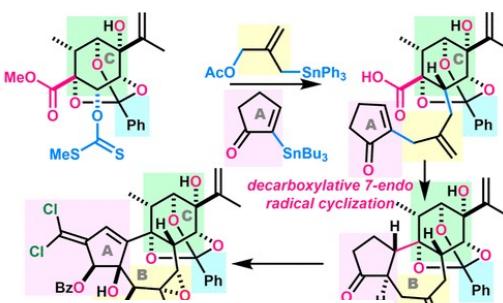


# Total Synthesis of Trigocherrins A and C

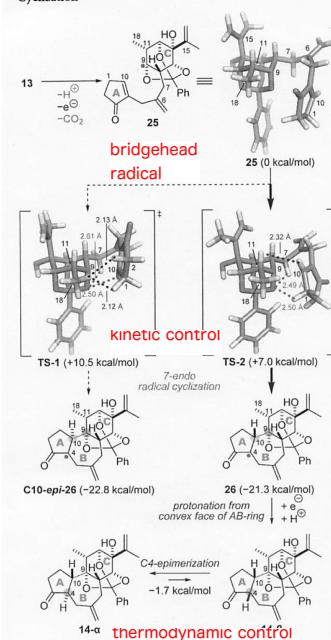
Kyohei Takaoka, Dan Matsubara, Manaka Matsumoto, Masanori Nagatomo, Koichi Hagiwara, and Masayuki Inoue\*



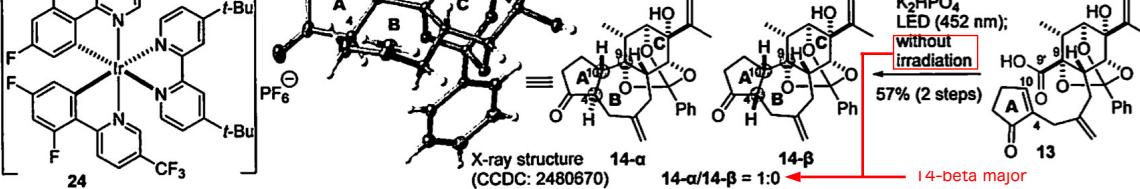
**Scheme 2. Synthesis of the Advanced Tricyclic Intermediate<sup>a</sup>**

<sup>a</sup>to suppress Me-SnCl-promoted chlorination of the vinyl ether

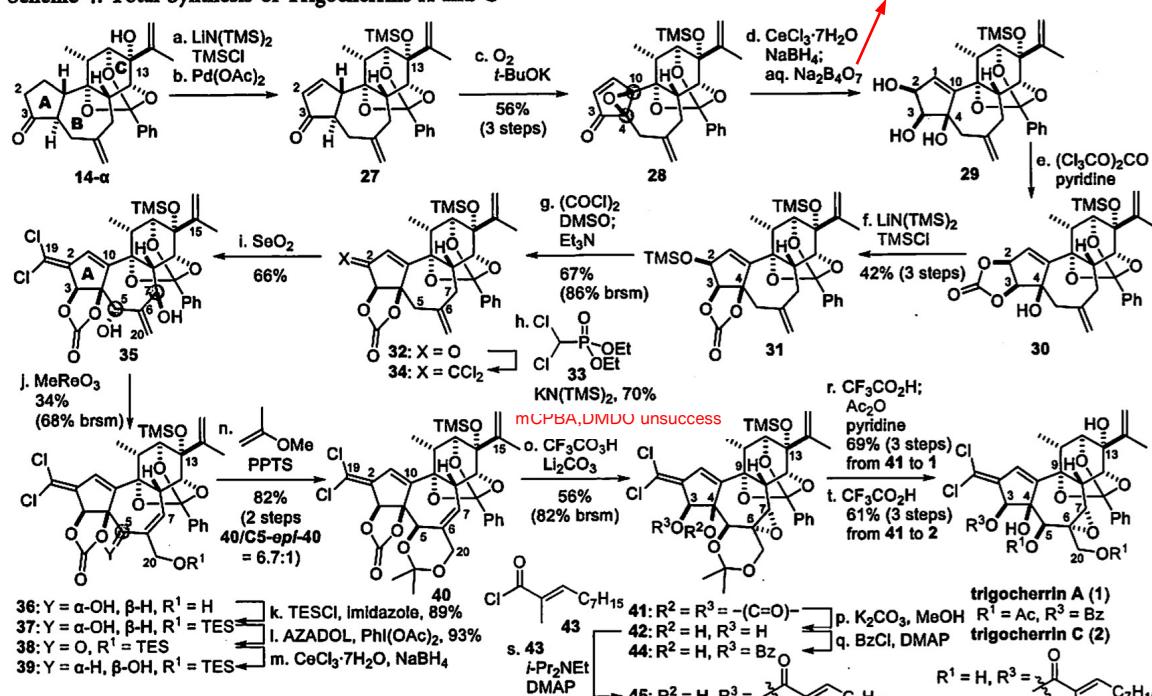
**Scheme 3. Plausible Reaction Course of the B-Ring Cyclization<sup>a</sup>**



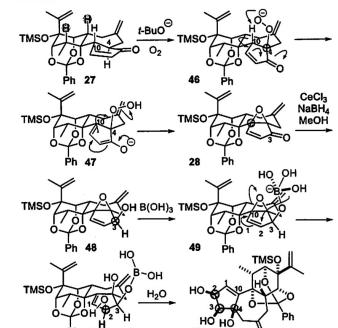
<sup>a</sup>potent reactivity of the sterically minimized



**Scheme 4. Total Synthesis of Trigocherrins A and C<sup>a</sup>**



**Scheme 5. Plausible Mechanism of Triol Formation**



**Scheme 6. Plausible Mechanism of Double Allylic Oxidation<sup>a</sup>**

