

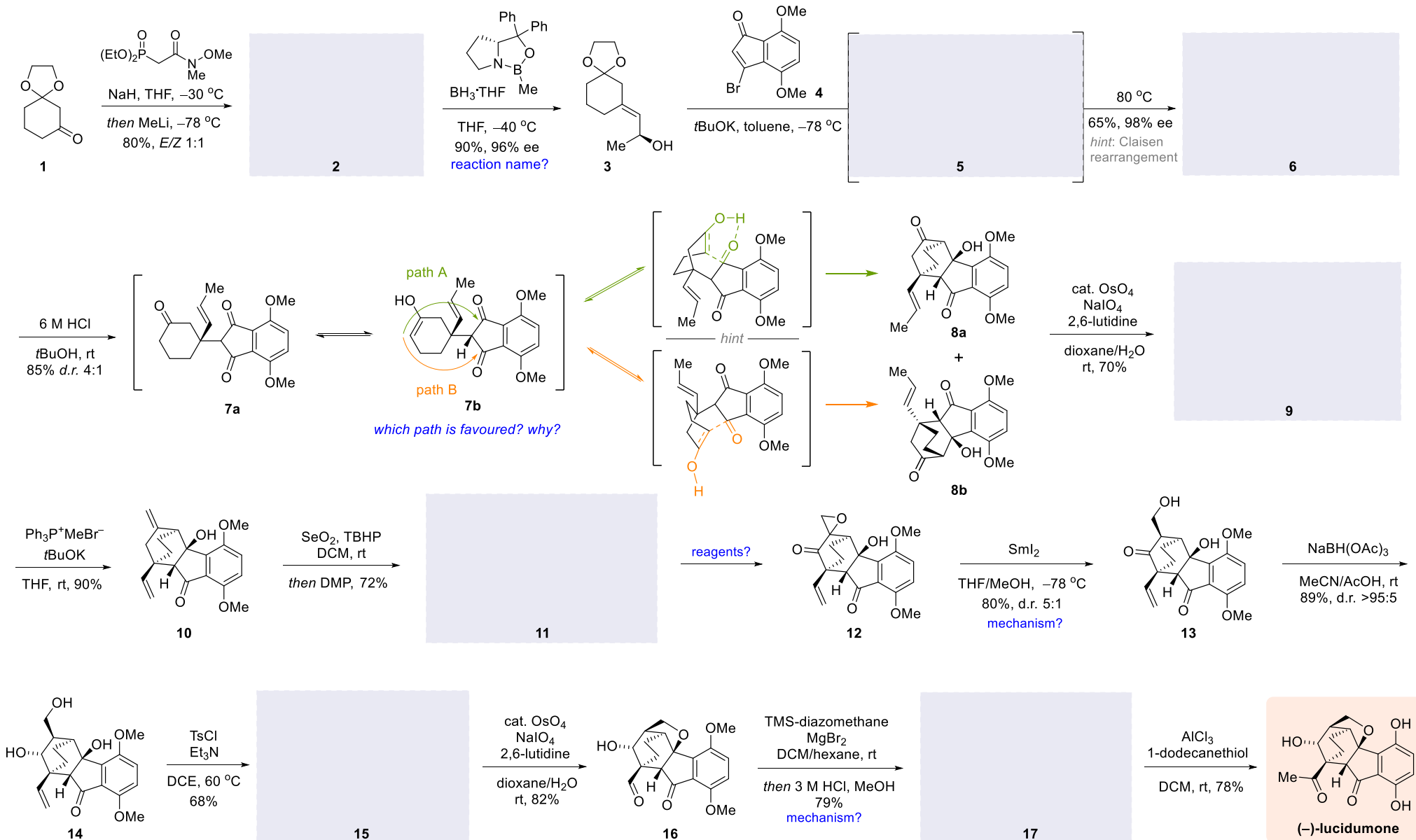
Total Synthesis of (-)-Lucidumone

Strand-Clementson Problem Session

Friday 27th March 2026



Lucidumone is a meroterpenoid isolated in 2019 from *Ganoderma lucidum*, a fungus used in traditional Chinese medicine ('Lingzhi'). (-)-Lucidumone is a selective COX-2 inhibitor. Your task is to fill in the **missing intermediates** and answer the **questions** below.



Total Synthesis of (-)-Lucidumone

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