

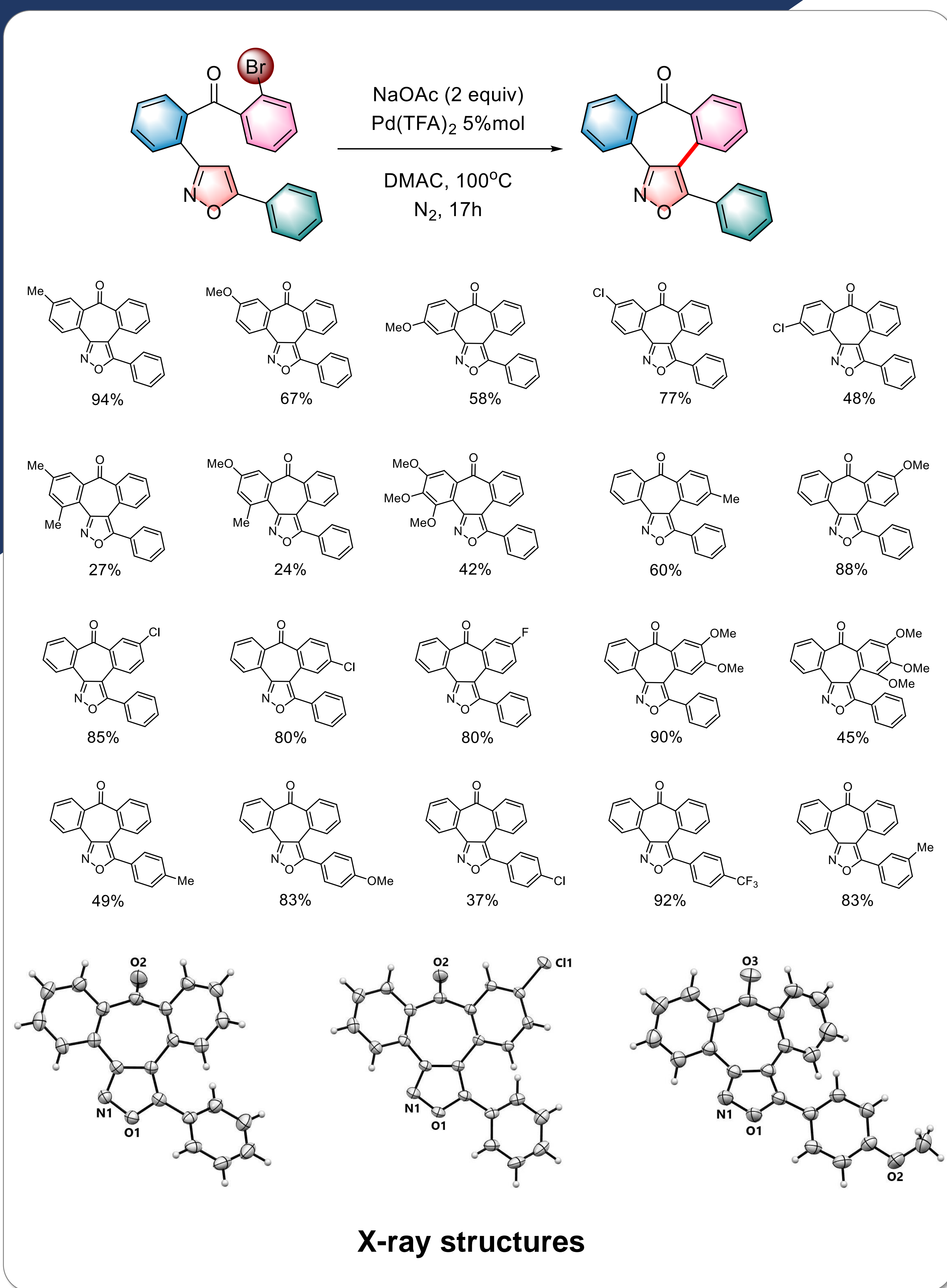


# 二價鈀金屬催化分子內環化合成二苯并環庚酮

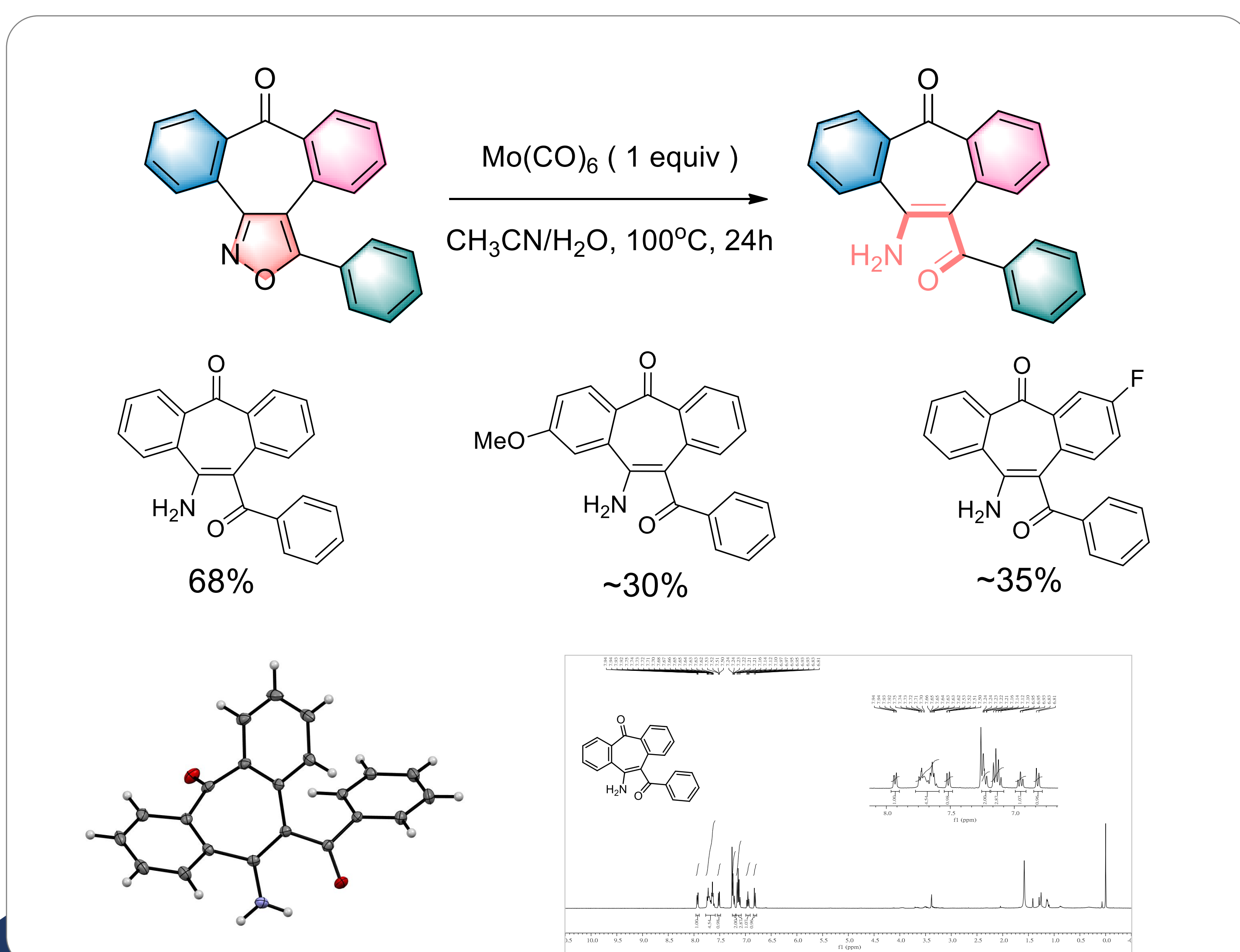
## ABSTRACT

由於二苯并環庚酮 (Dibenzosuberone) 結構於合成上相當不易，透過碳-氫鍵活化策略方式我們能夠簡易建構二苯并環庚酮結構並帶有異噁唑基團，此方法展現極佳的官能基耐受性。同時透過異噁唑基團的開環反應可轉換成  $\beta$ -aminoenone 結構。透過實驗設計探討我們提出此反應的可能機制。

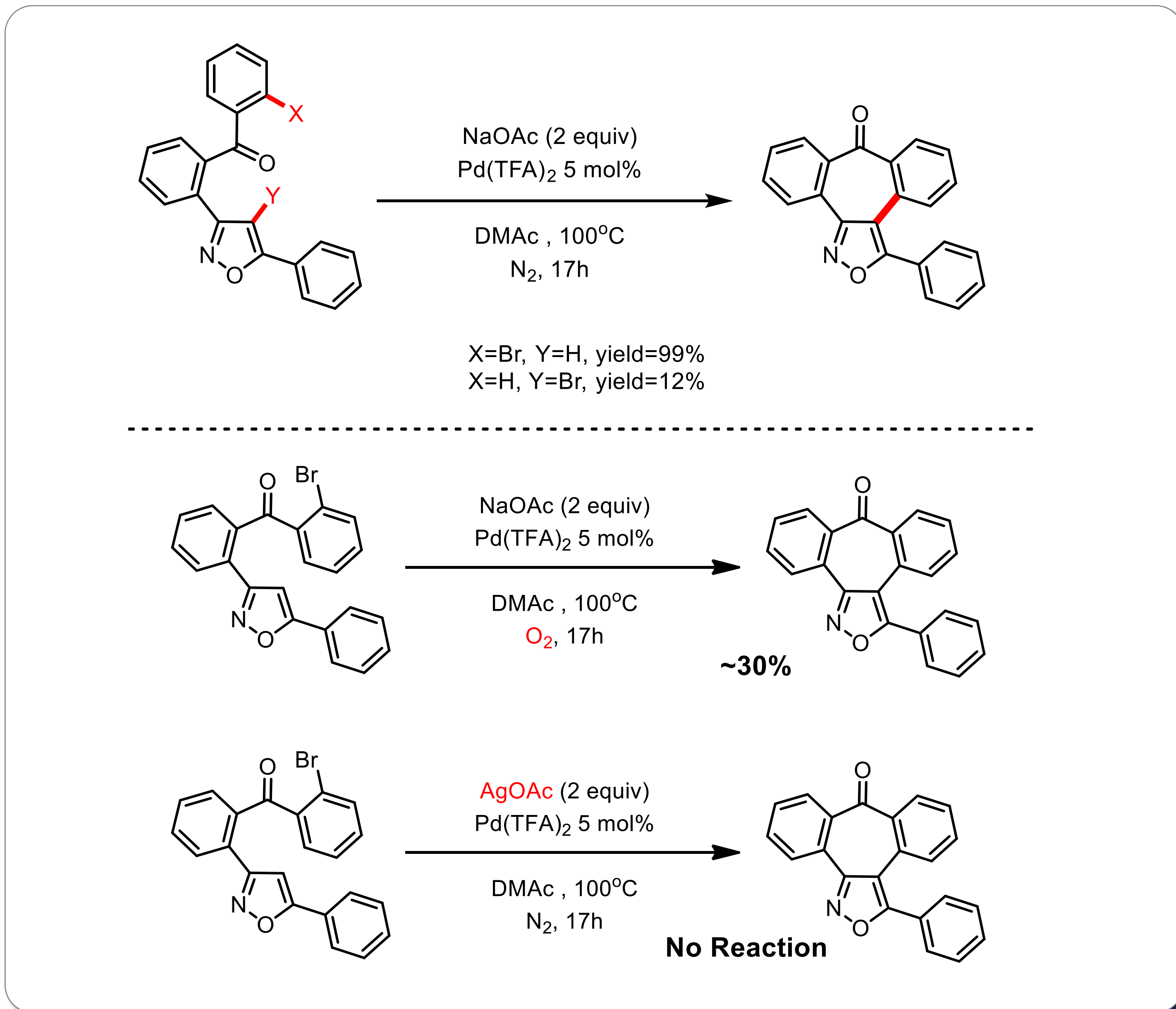
### Scheme 1. Substrate scope



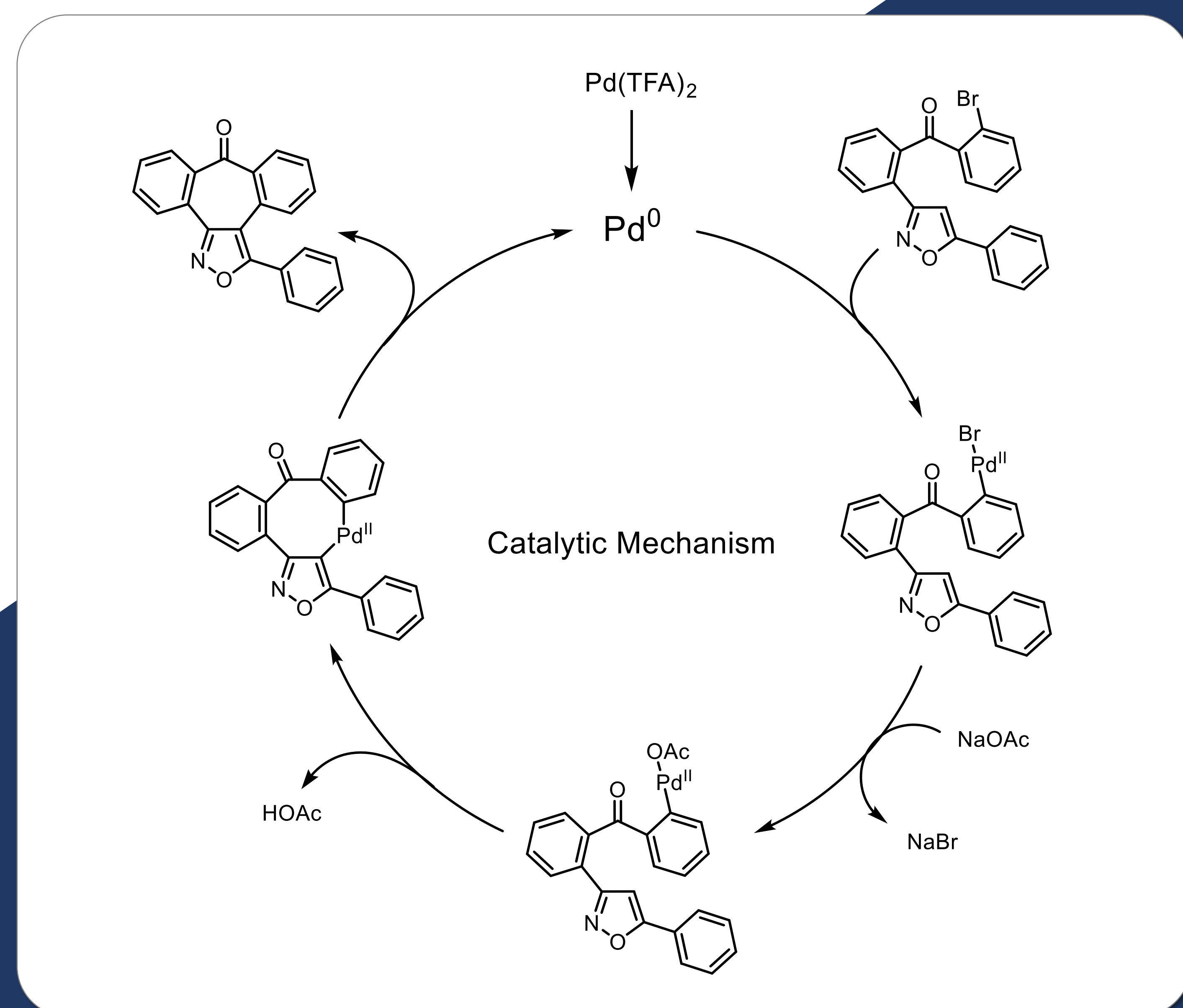
### Scheme 2. Synthetic application



### Scheme 3. Control experiment



### Figure 1. Proposed Mechanism.



### Reference

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