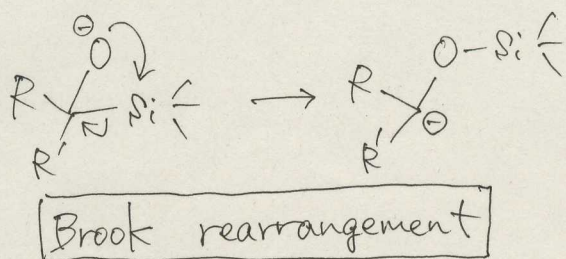
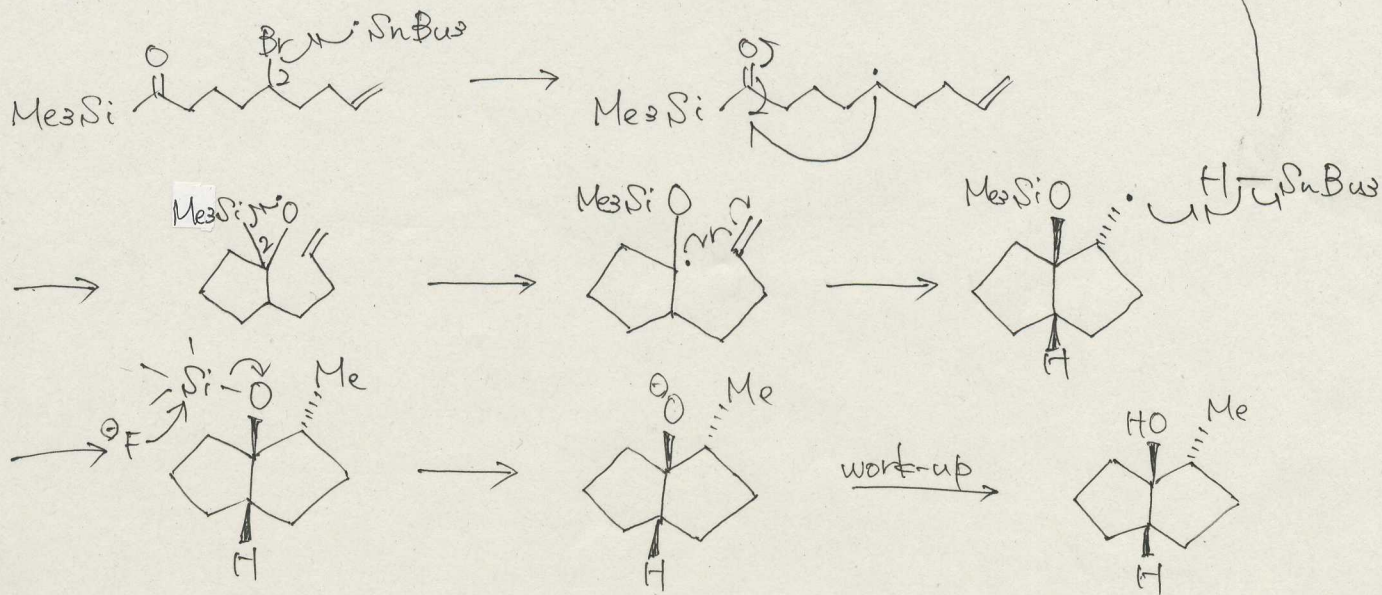
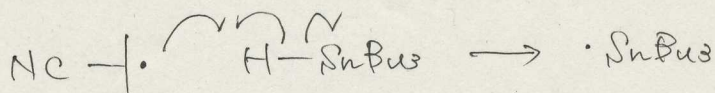
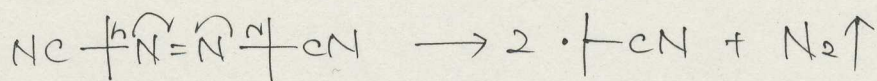


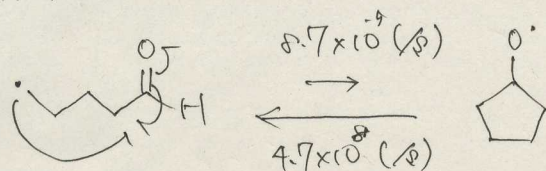
04/06/2005

Solution: Komita

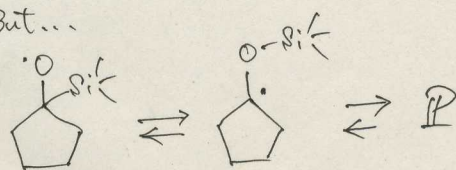
1.



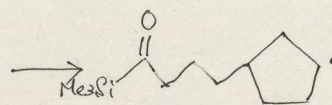
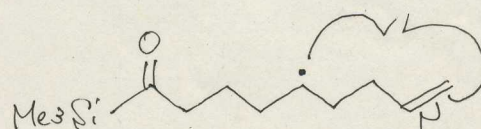
• カルビニルに結合するラジカル反応は速い。反応は速い。



But...



Brook rearr. は平衡に右へ。



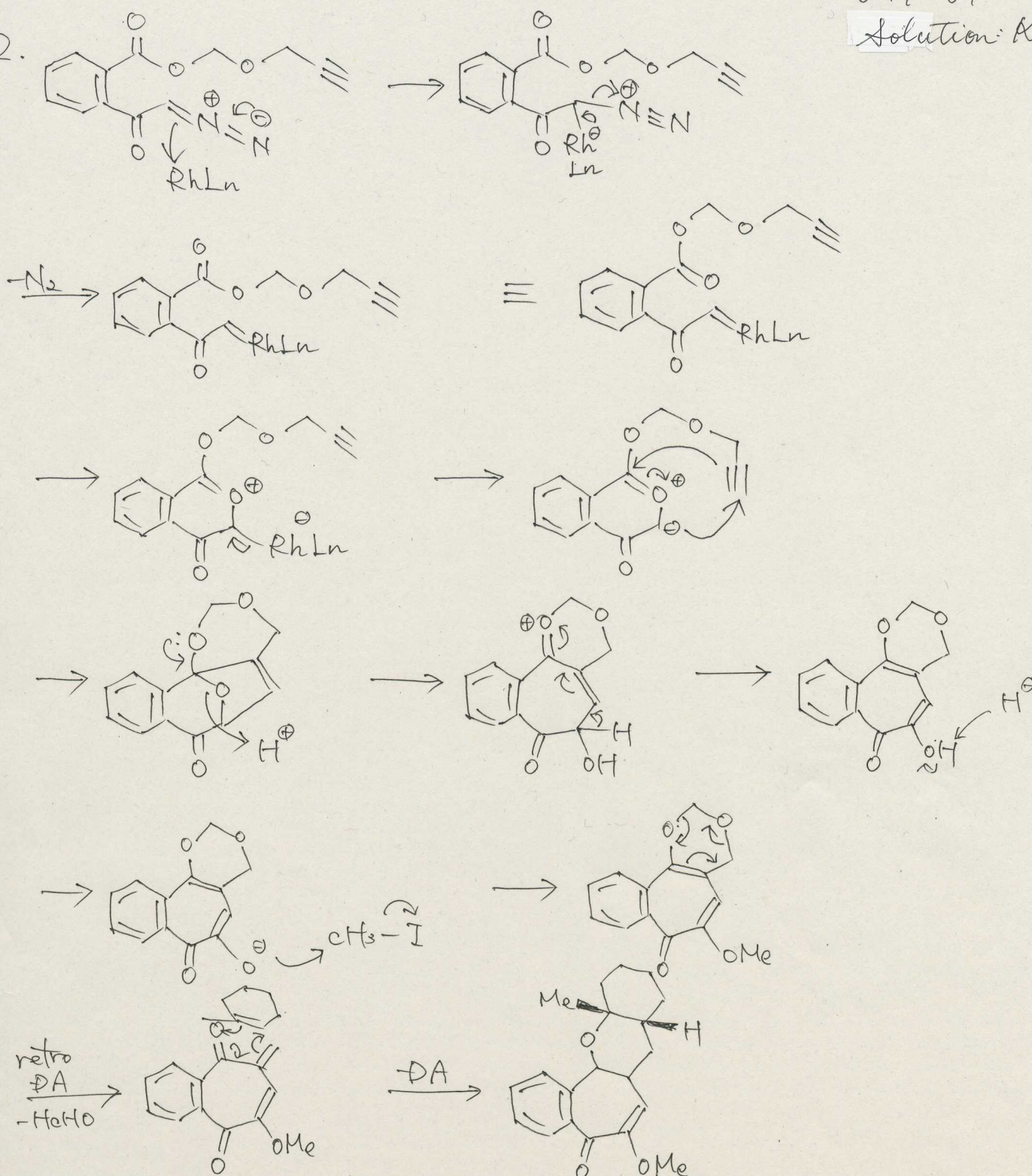
5-exo-trig
反応は速い。
(電子軌道、σ-π)

Baldwin rule

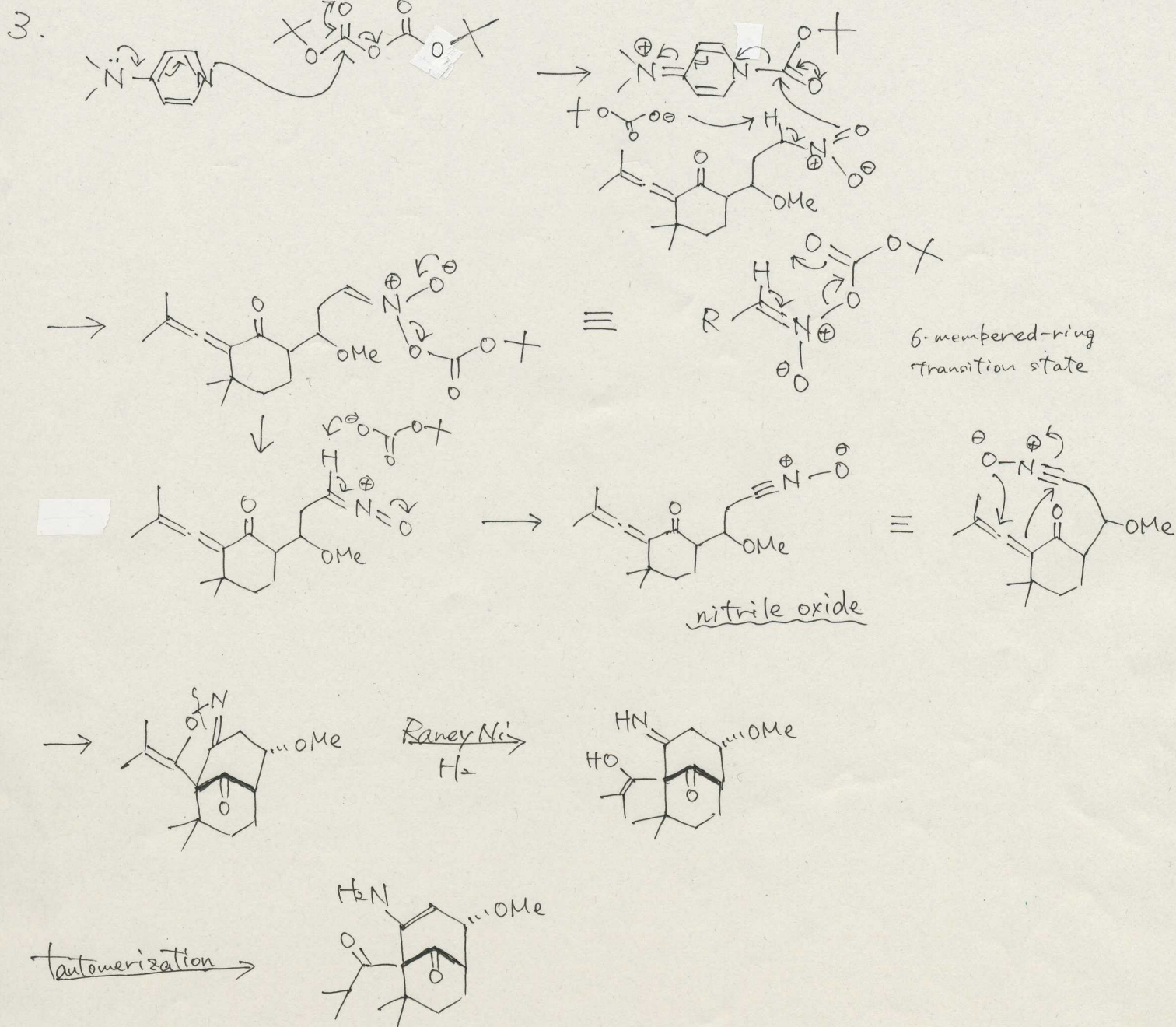
04/06/2005

Solution: Komuta

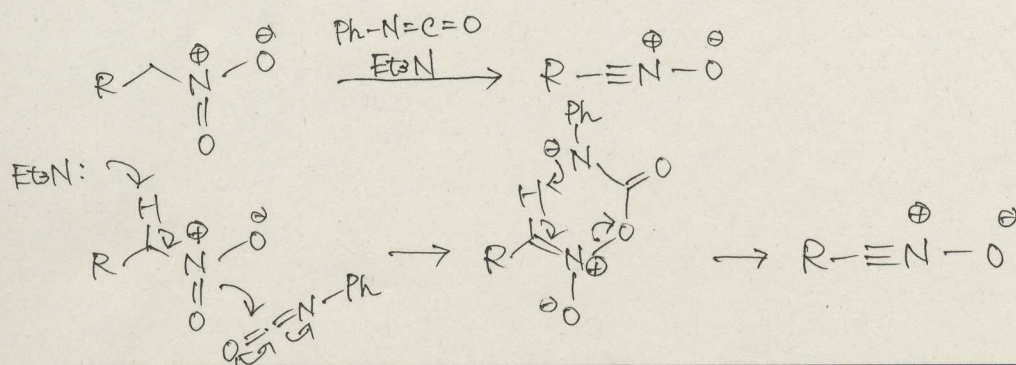
2.

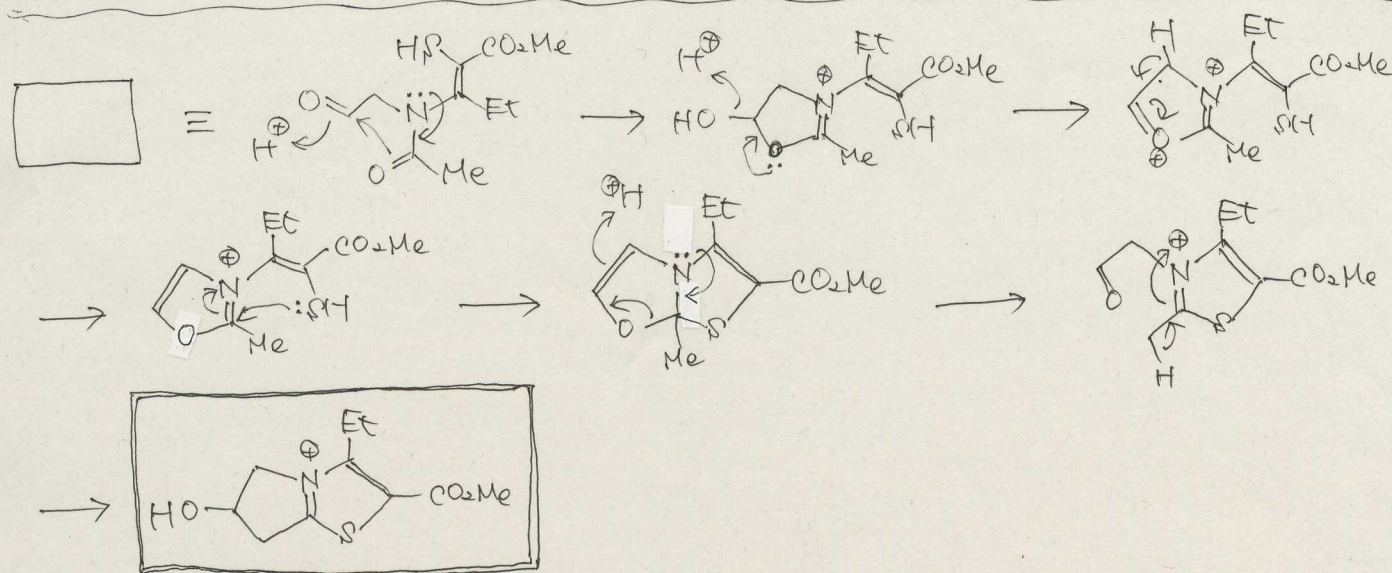


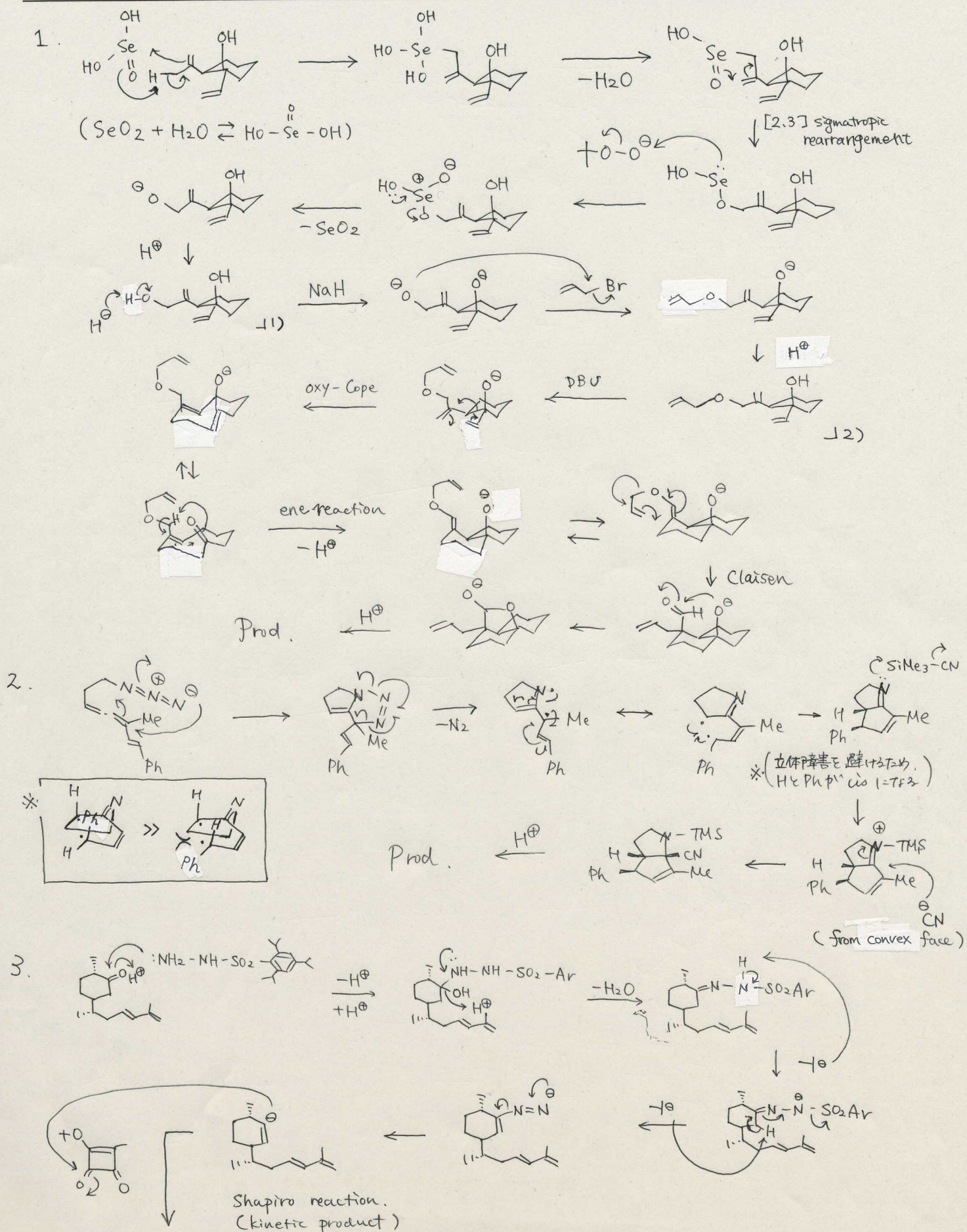
04/06/2005
Solution: Komuta

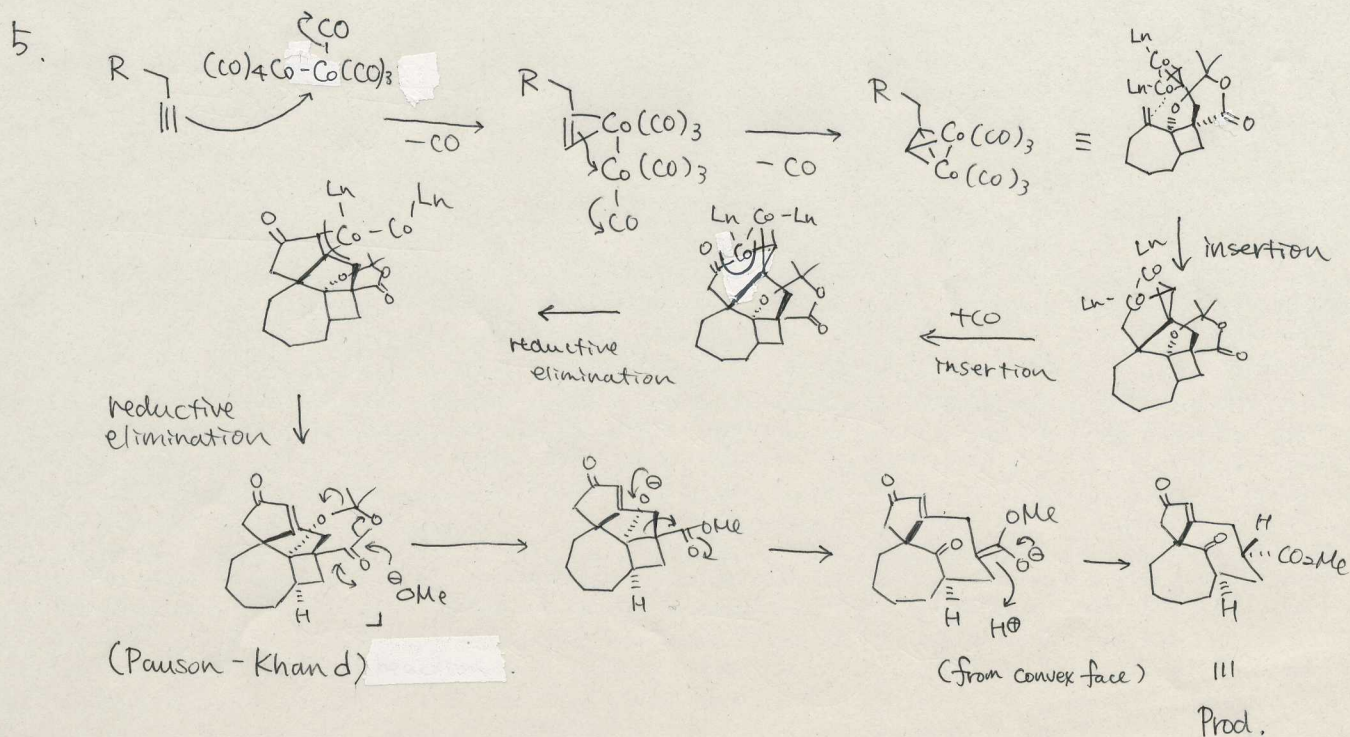
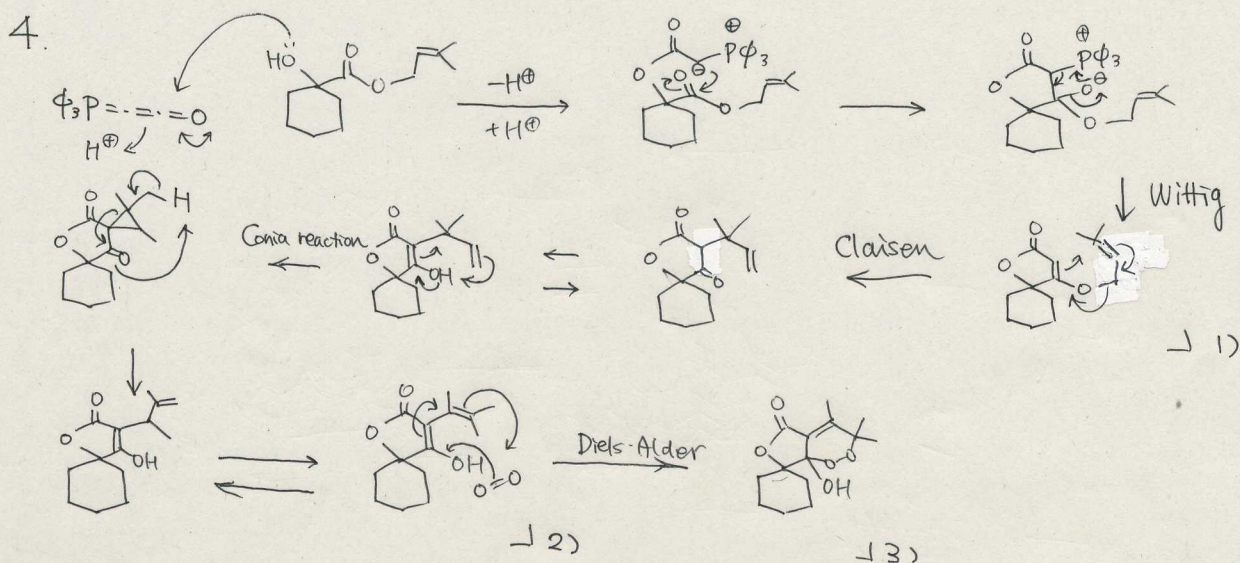
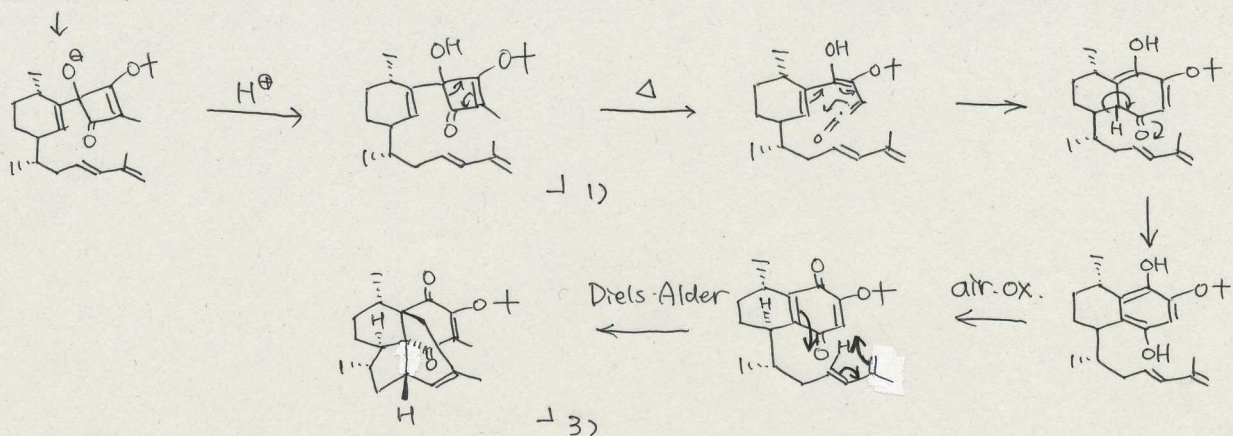


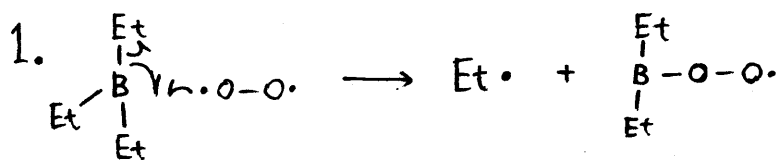
岡山法



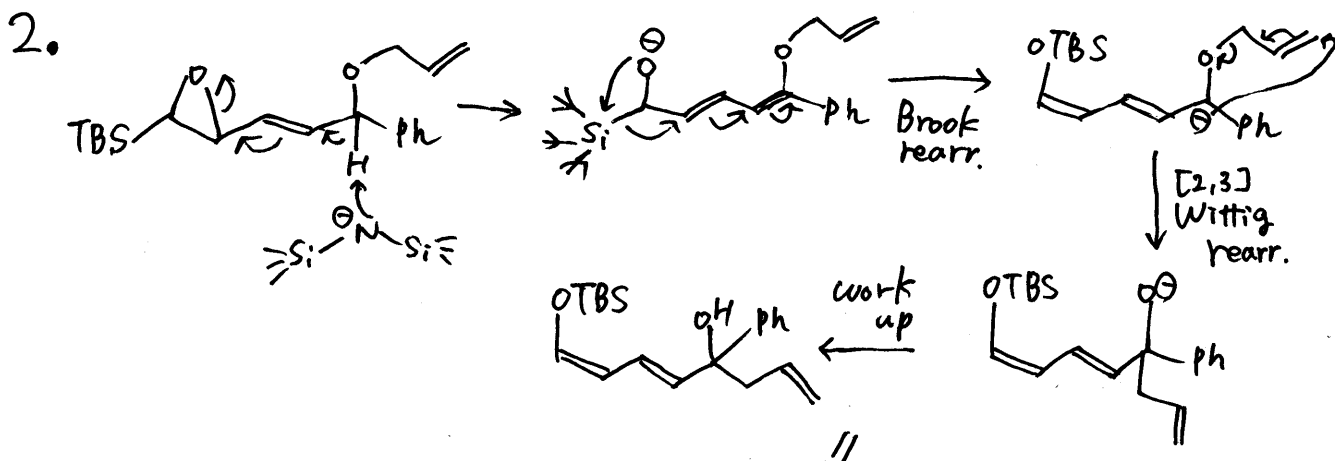
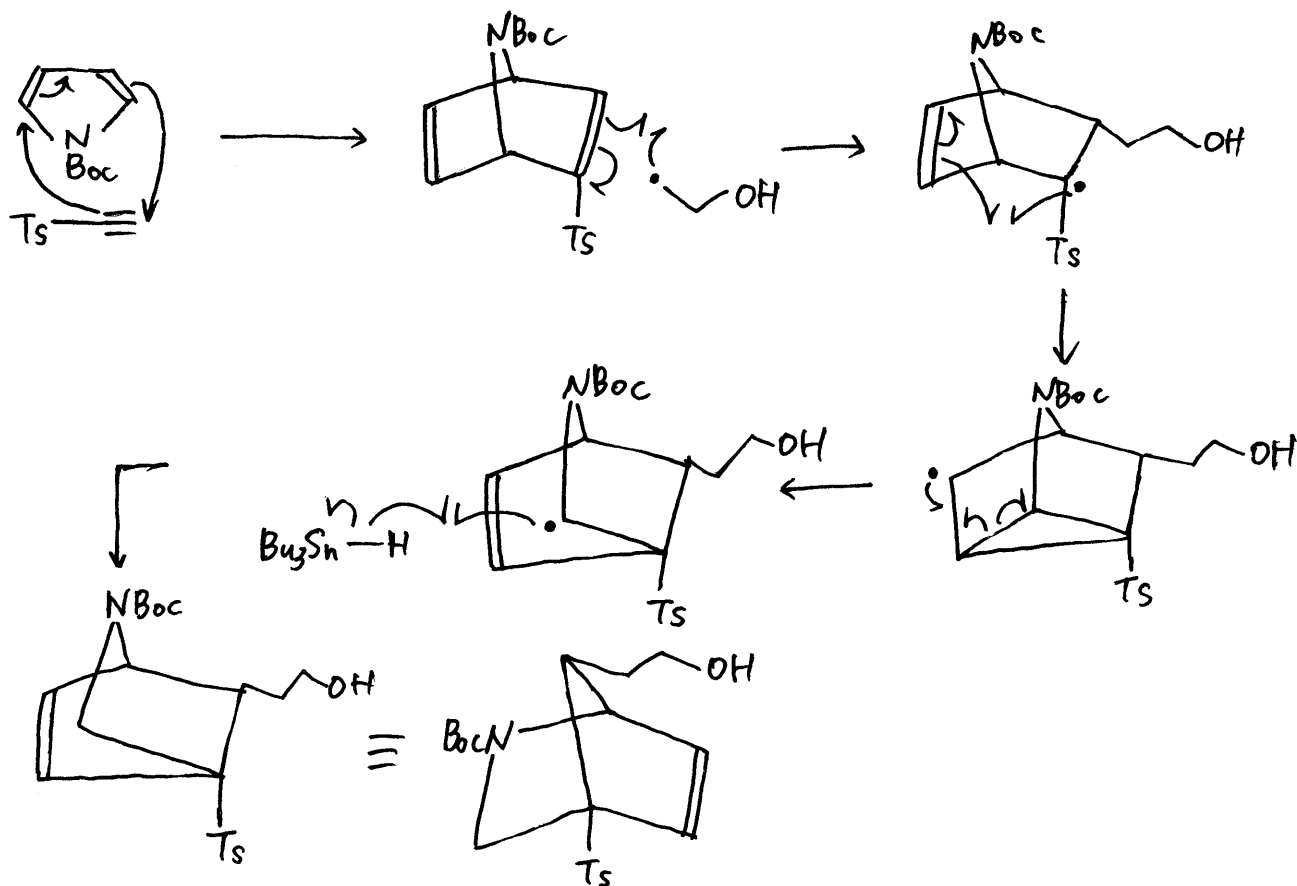
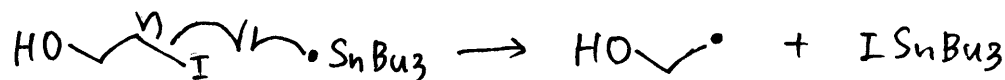
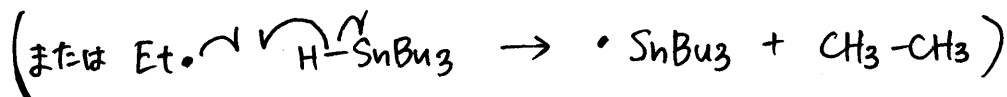
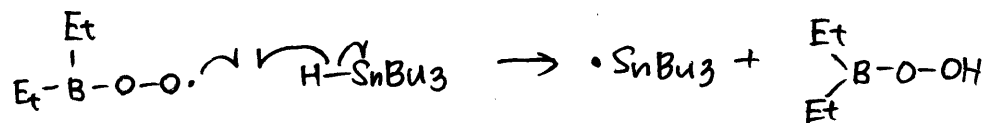




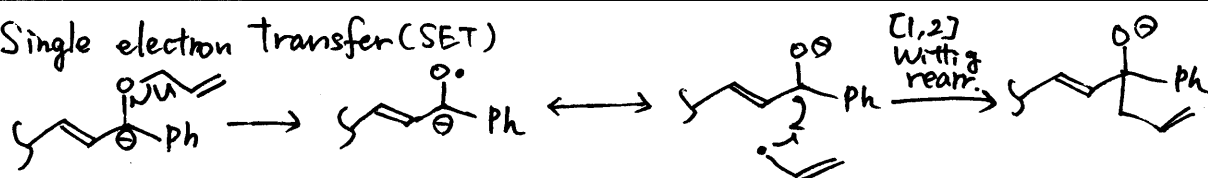




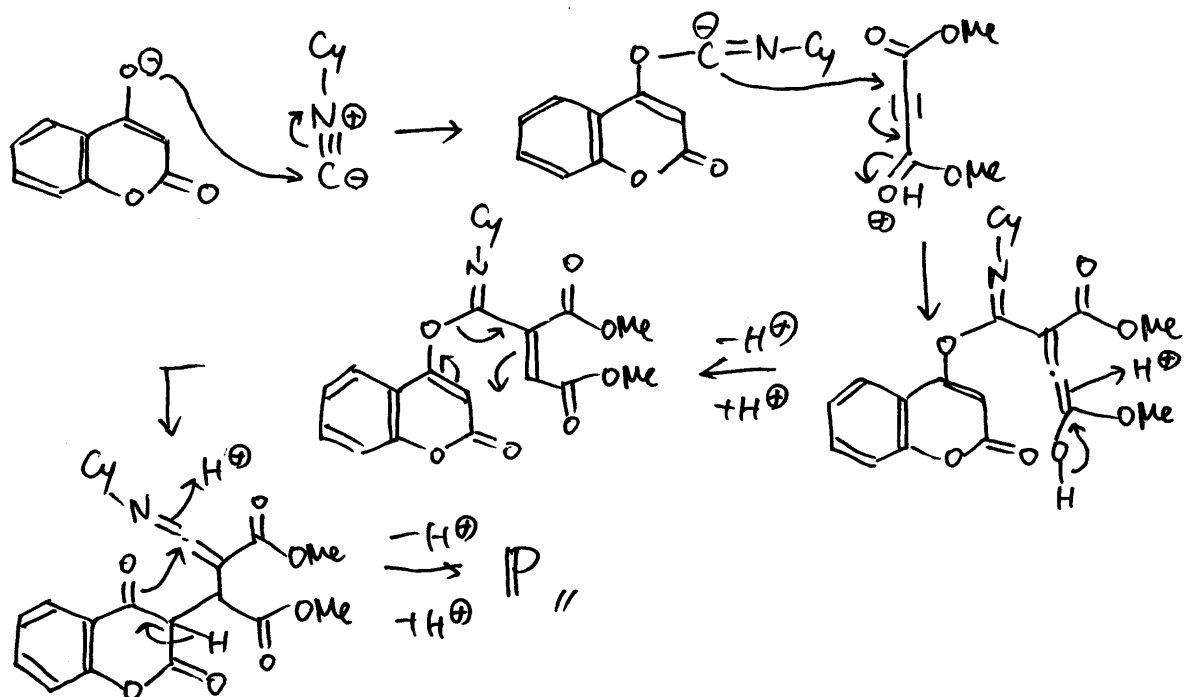
Solution: Takase



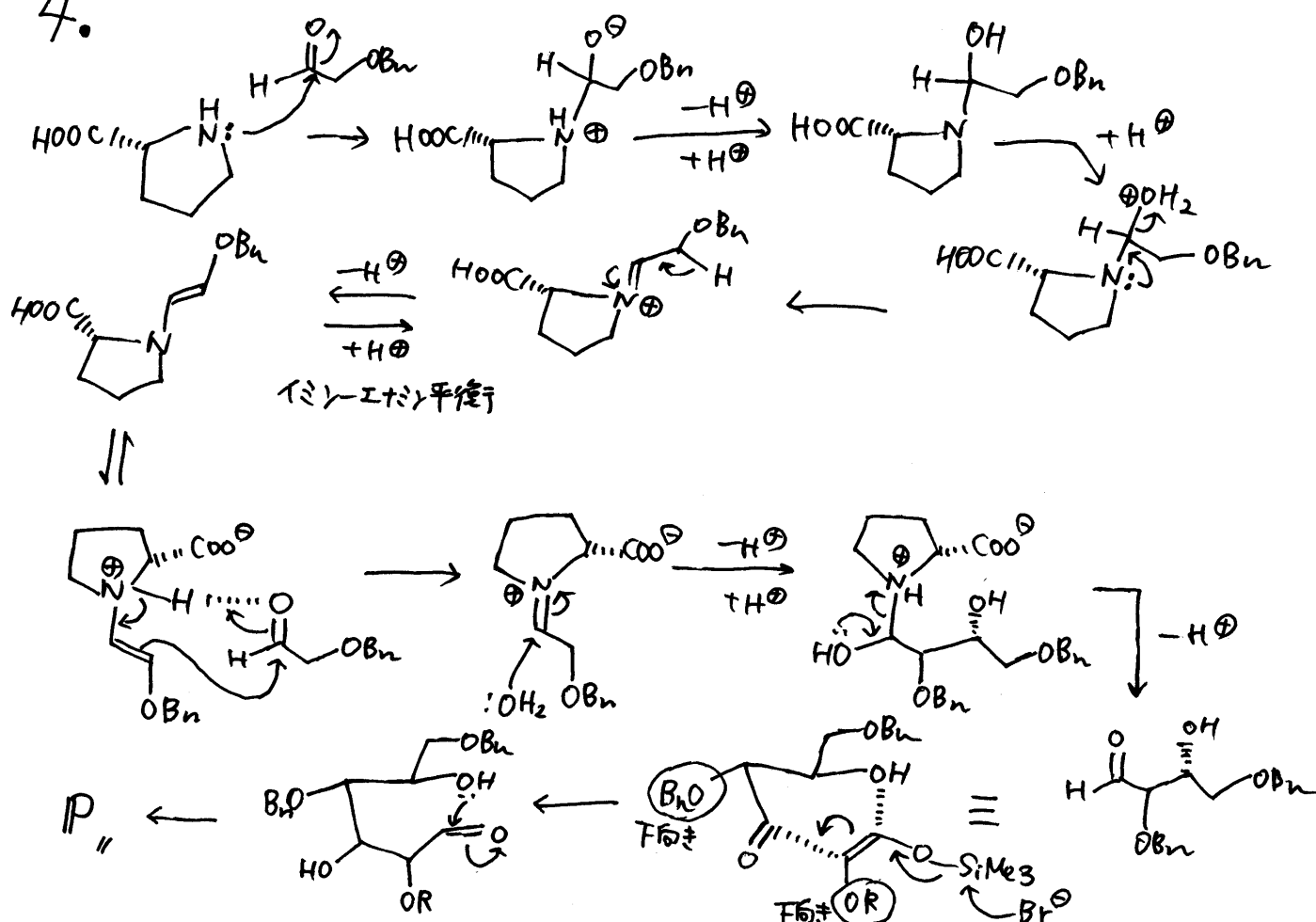
★ Single electron transfer (SET)



3.



4.



5.

