

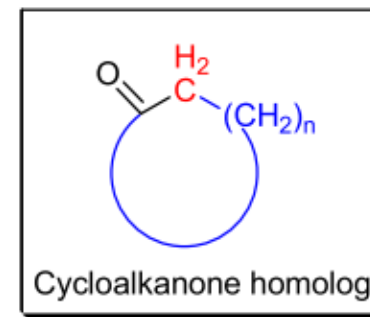
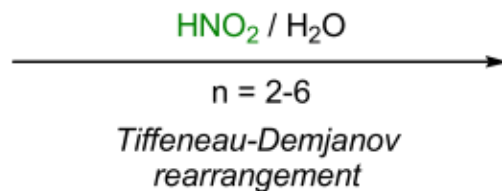
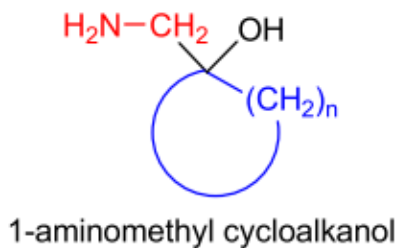
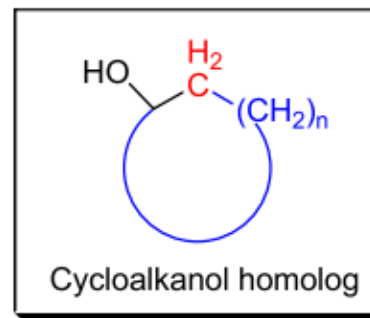
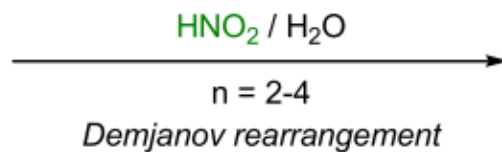
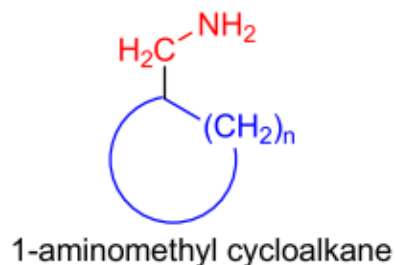
NIBS

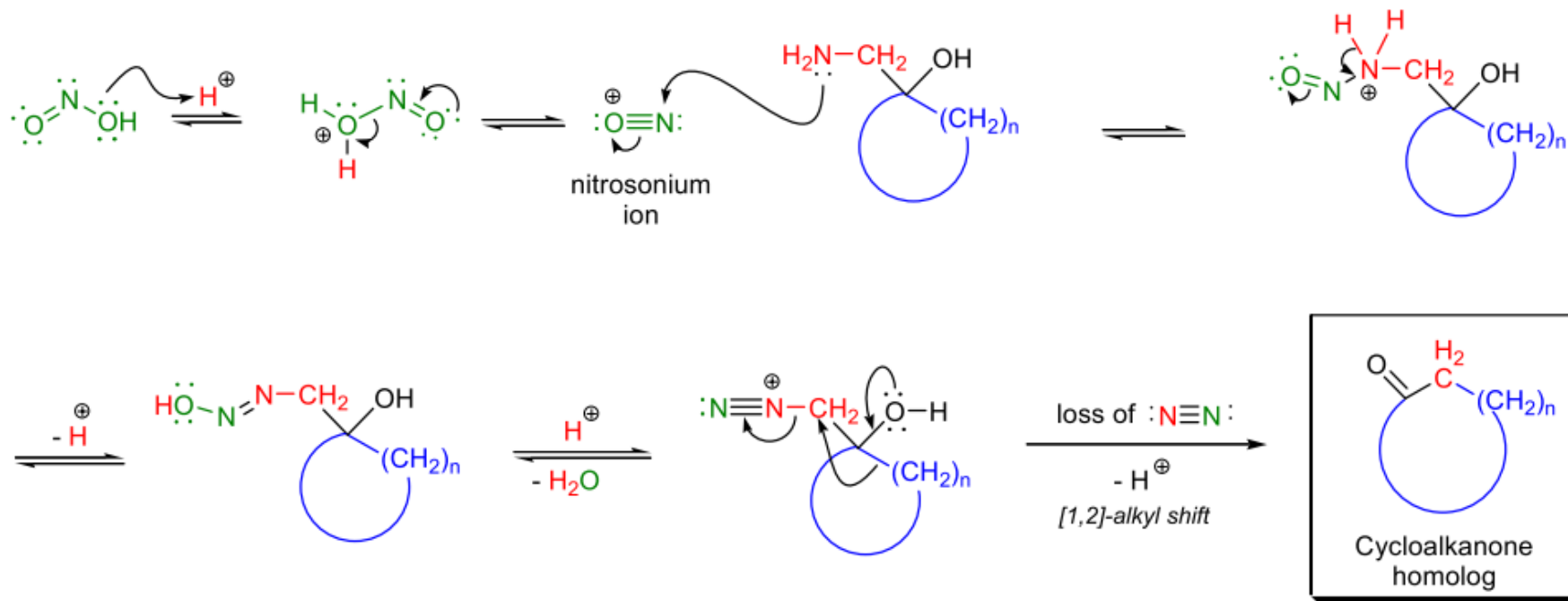
北京生命科学研究所以

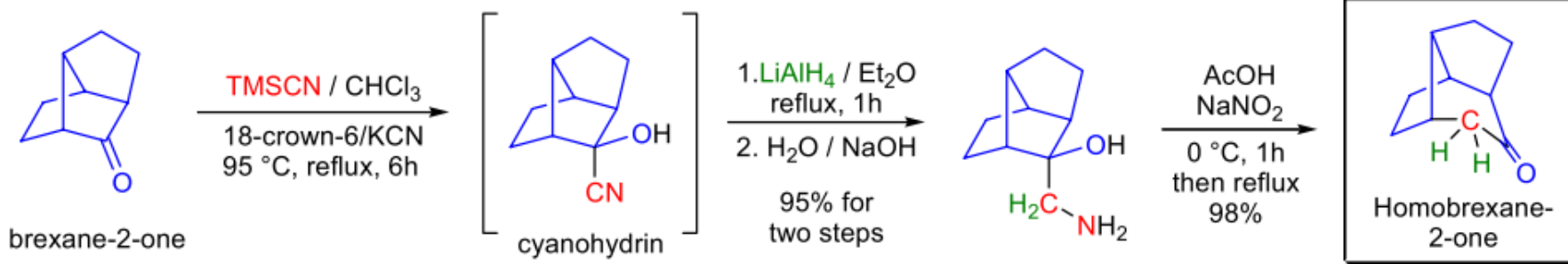
National Institute of Biological Sciences, Beijing

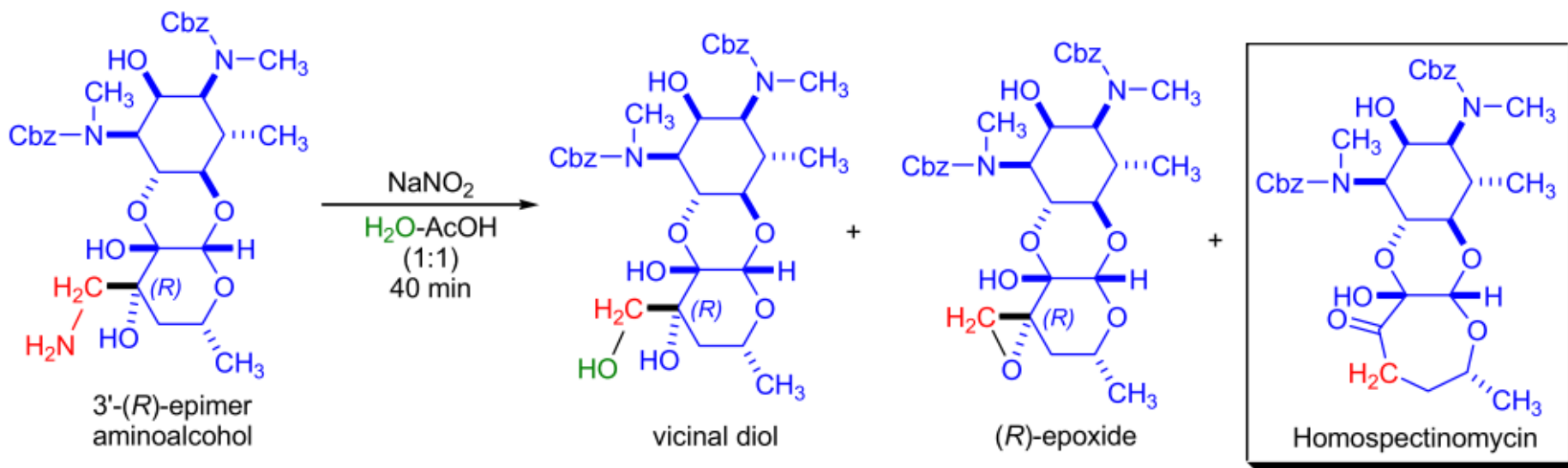


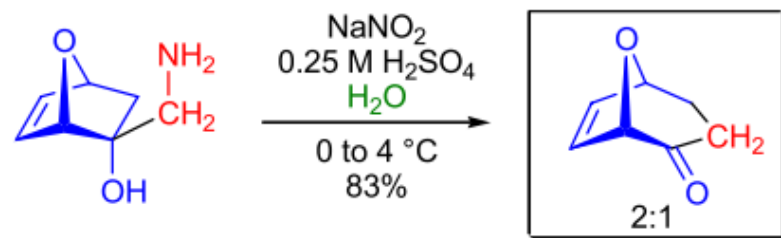
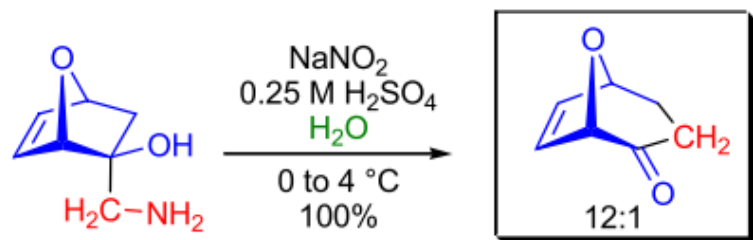
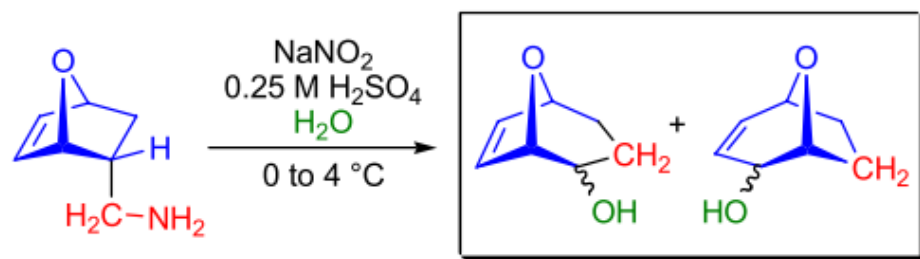
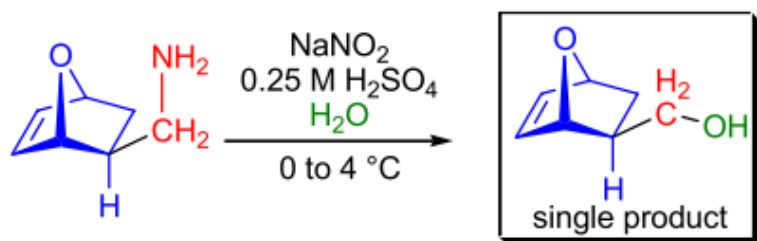
Demjanov rearrangement reaction







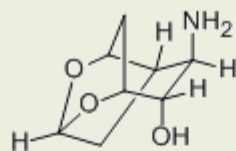






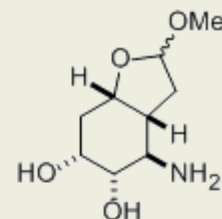
NH₃

H₂O
100 °C, 2 h, 90 %



HCl

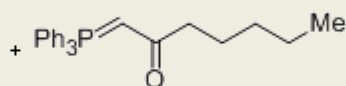
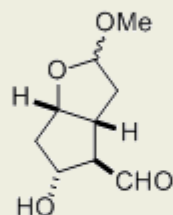
MeOH
RT, 99 %



NaNO₂, NaOAc

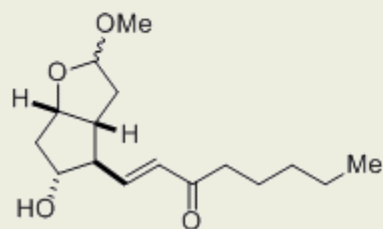
AcOH
0 °C, 80 %

See the [Tiffeneau-Demjanov Rearrangement](#)



DME
Reflux, 79 %

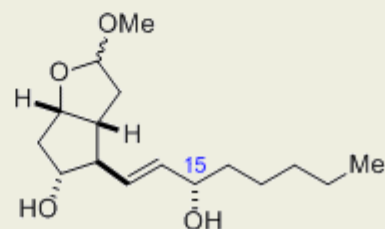
See the [Wittig Reaction](#)



Zn(BH₄)₂

Et₂O
-18 °C, 45 %

Also isolated was the C15-epimer
(45 % yield).



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