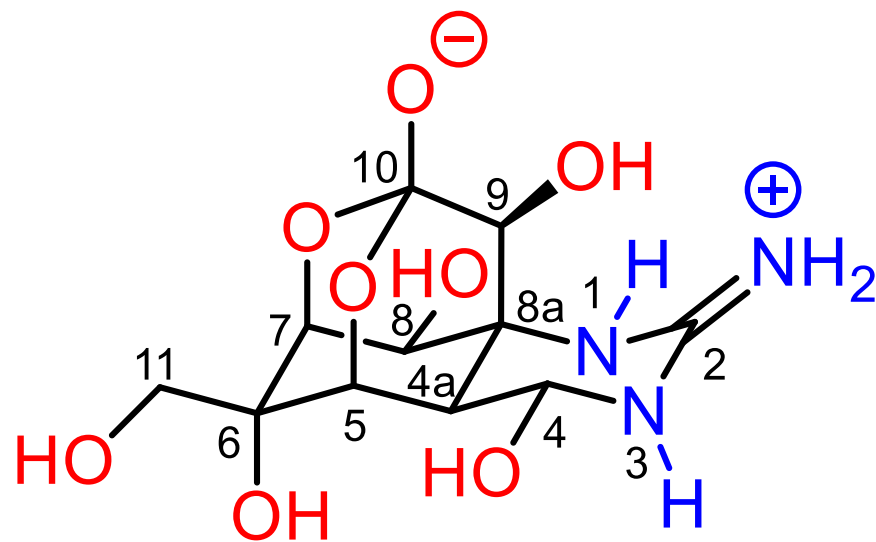




北京大学
PEKING UNIVERSITY

Total Synthesis of Tetrodotoxin (2)



Tetrodotoxin
TTX

Shumi Jia

2022.12.22



Satoshi Yokoshima
Nagoya University

Education:

1997 B.S. **The University of Tokyo**
2002 PhD. **The University of Tokyo** (Professor **Tohru Fukuyama**)

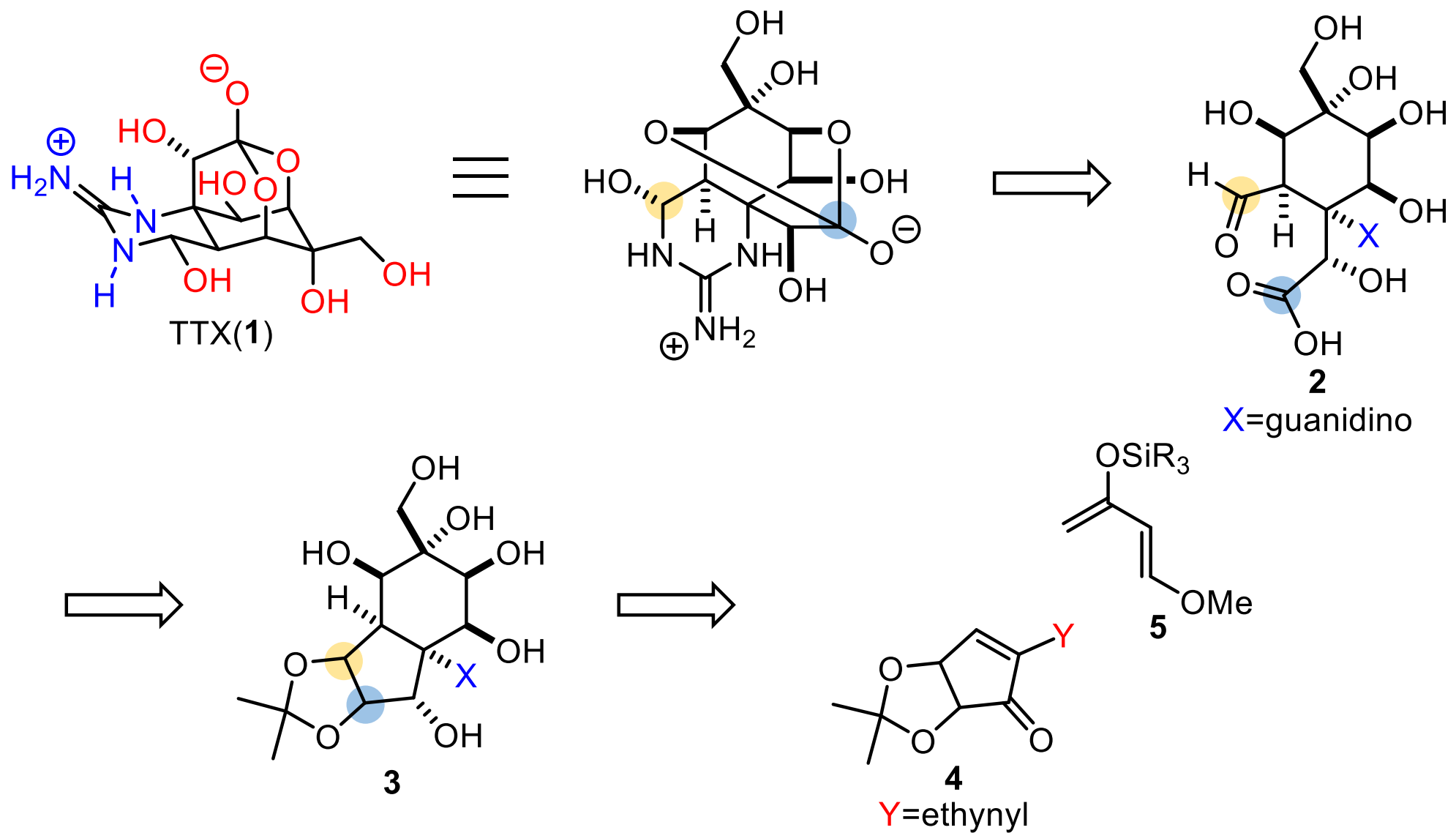
Professional:

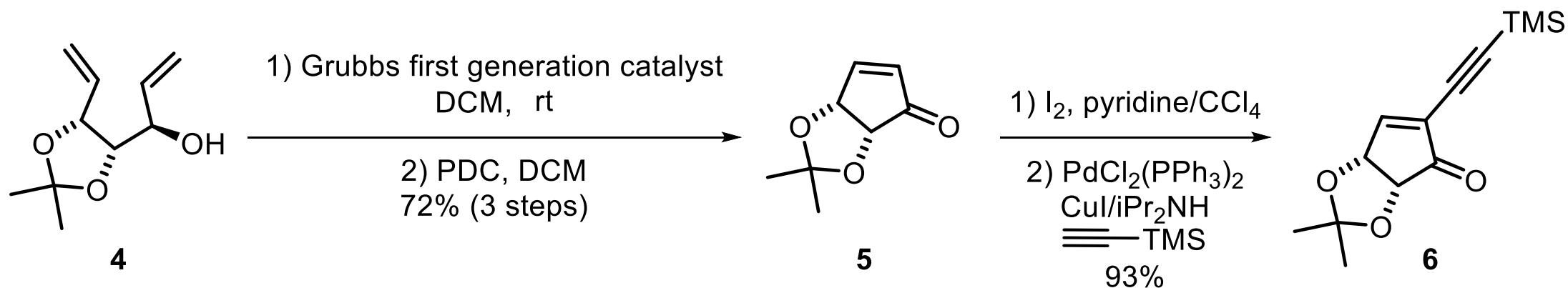
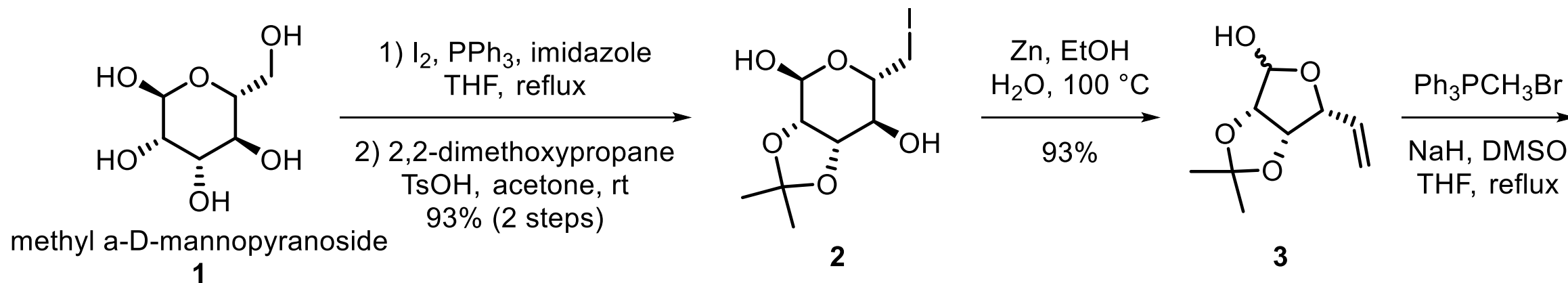
2002 - 2004	Medicinal Chemist	Mitsubishi Pharma Corporation
2004 - 2007	Assistant	The University of Tokyo
2007 - 2008	Assistant professor	The University of Tokyo
2008 - 2011	Lecturer	The University of Tokyo
2011 - 2012	Associate professor	The University of Tokyo
2012 - 2017	Associate professor	Nagoya University
2017 -	professor	Nagoya University

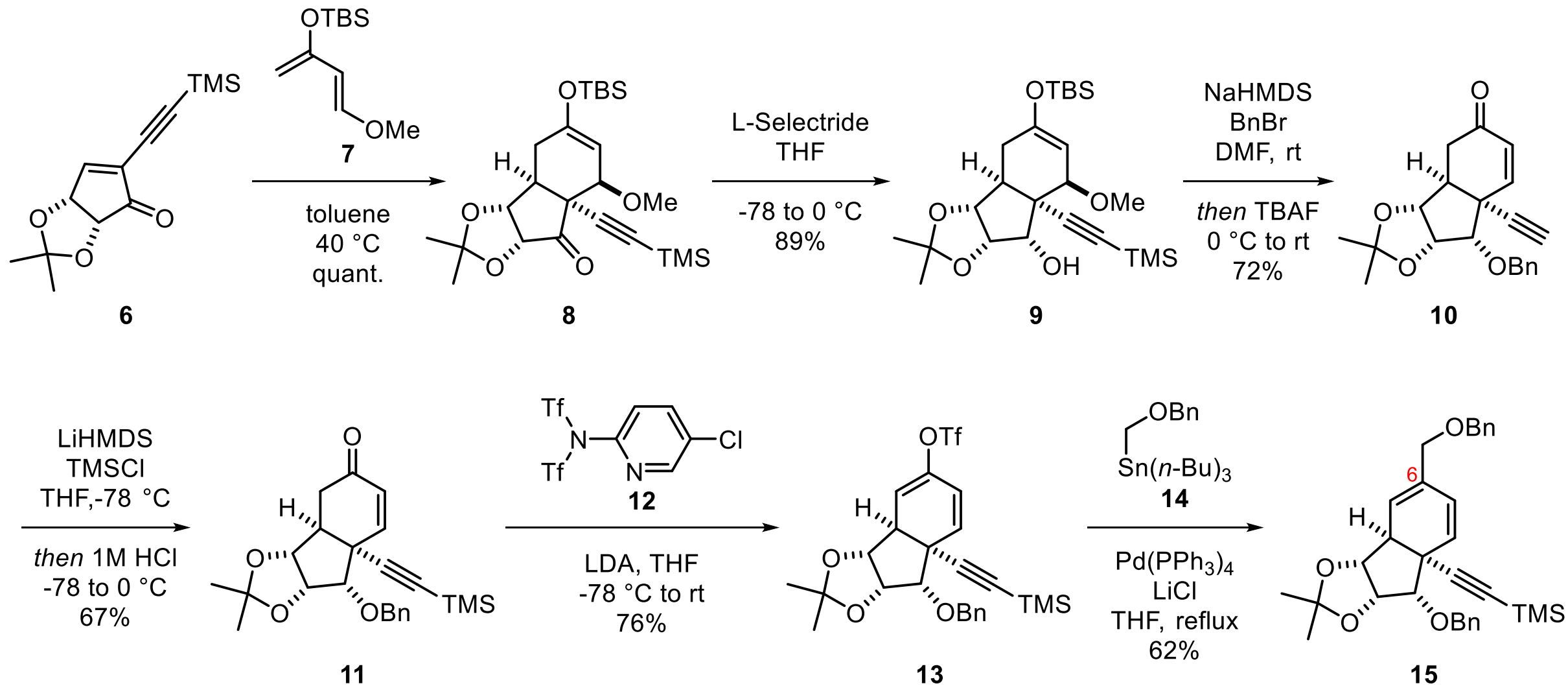
Awards and Honors:

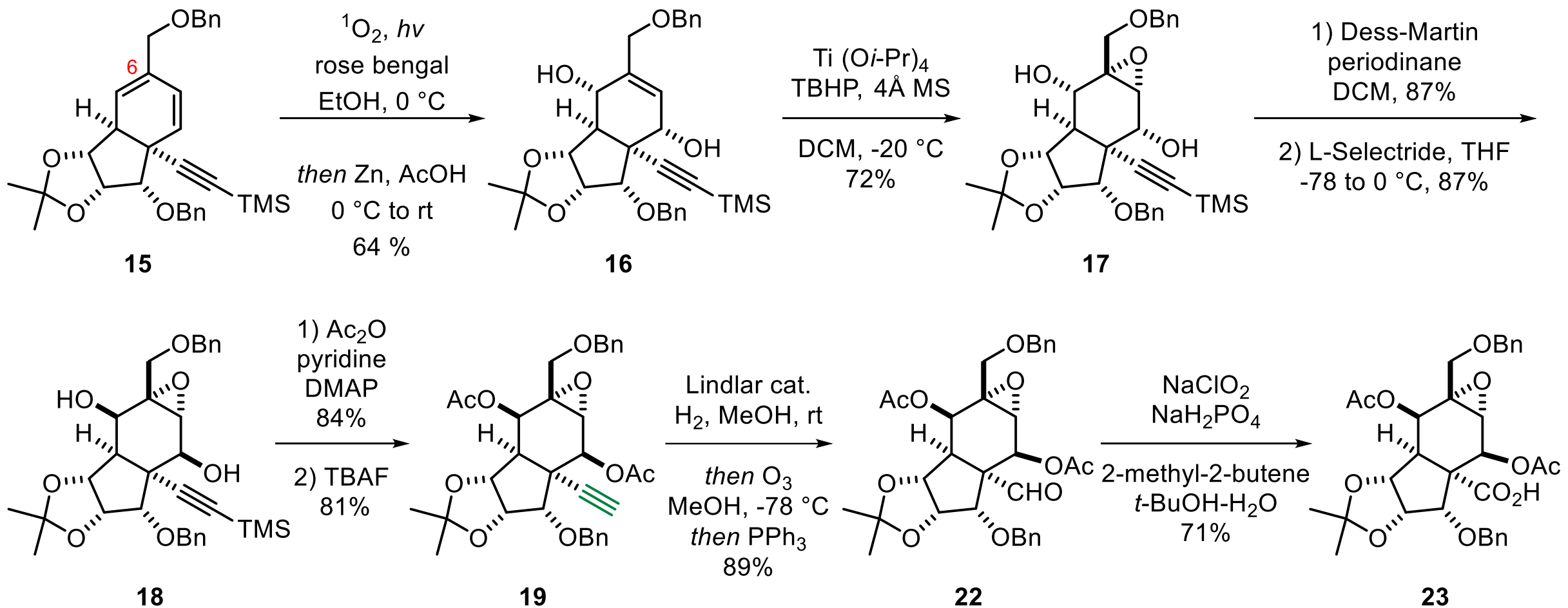
2013 Asian Core Program Lectureship Award (China)
2013 Asian Core Program Lectureship Award (Singapore)

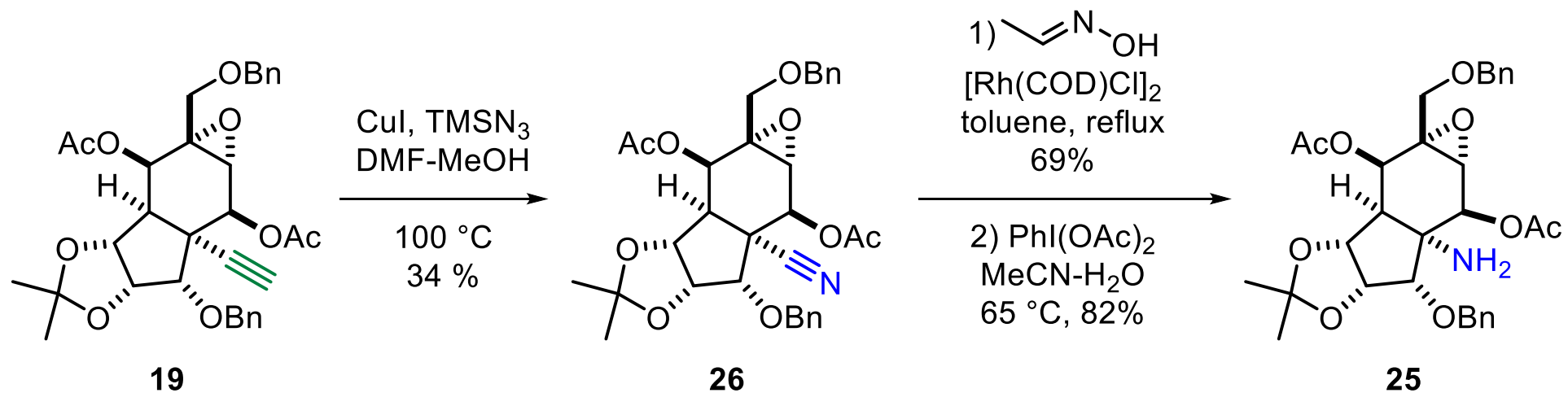
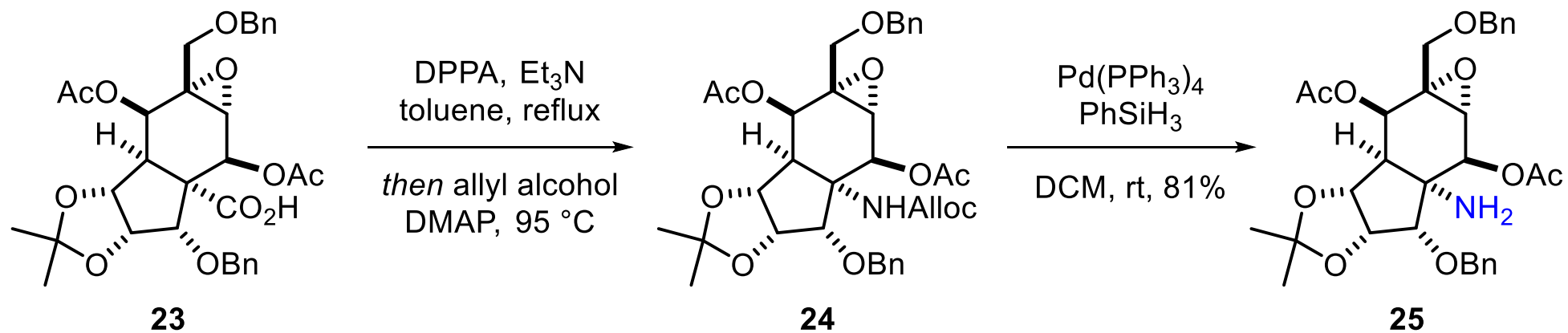
逆合成分析

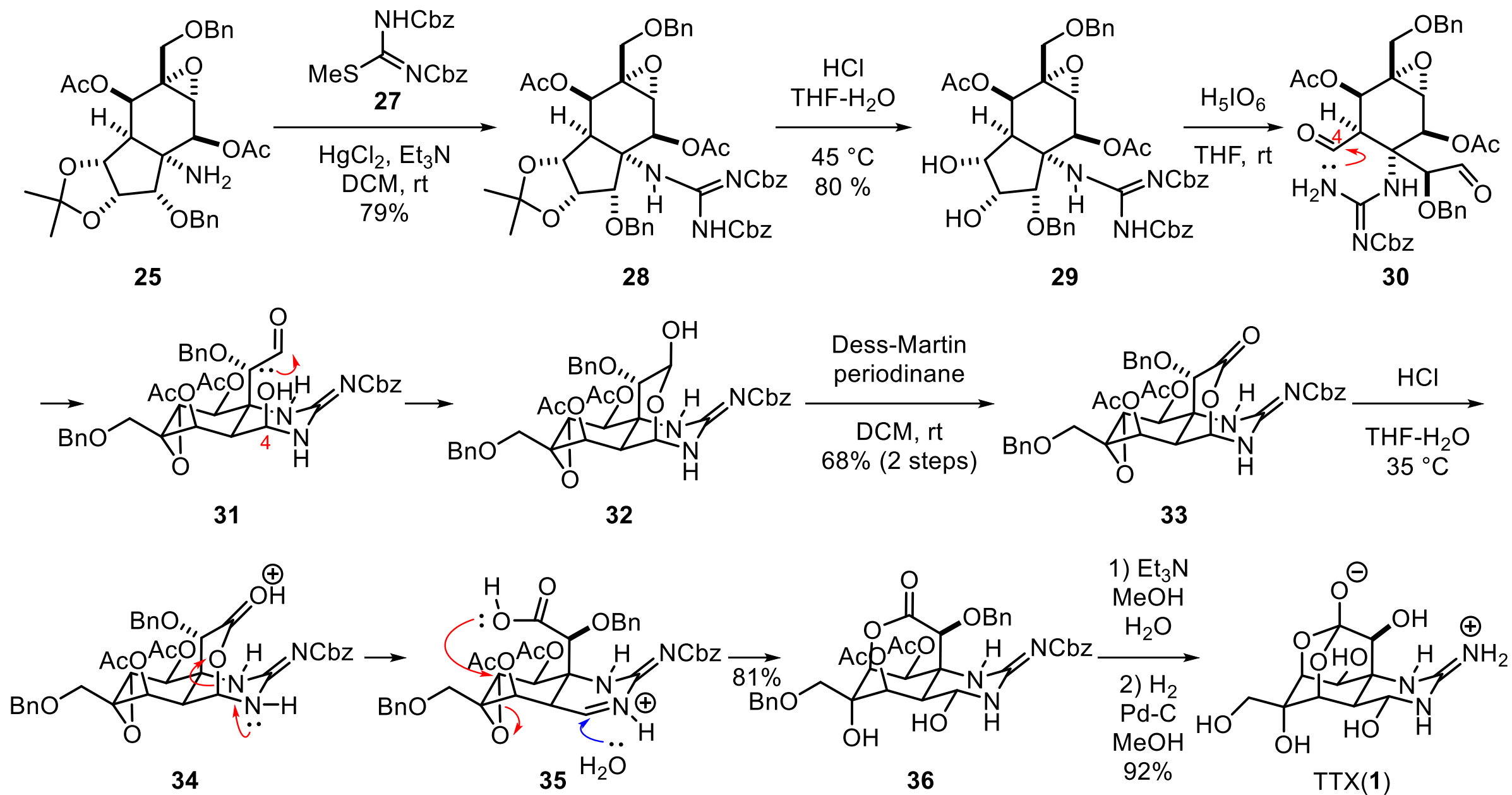




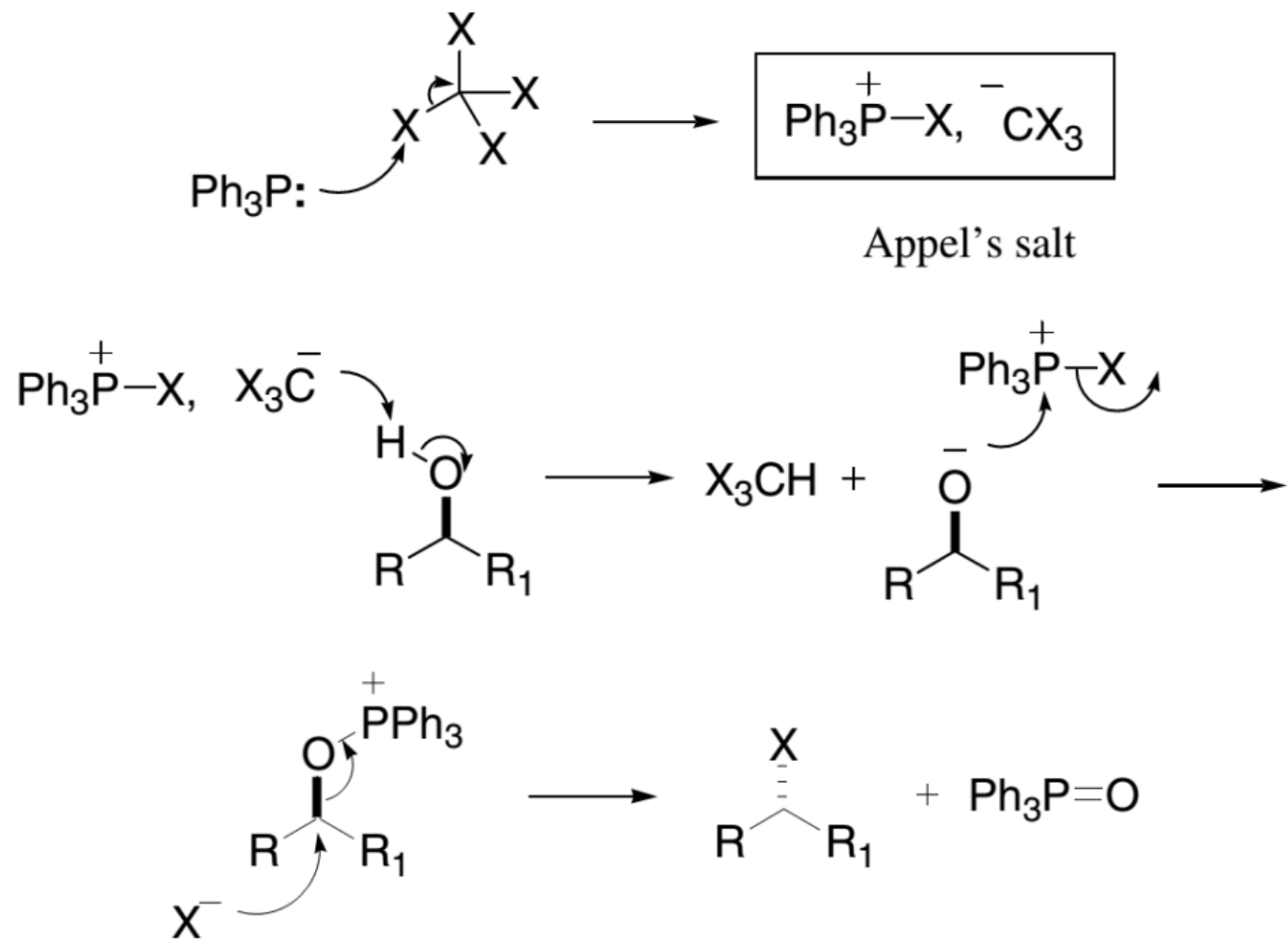






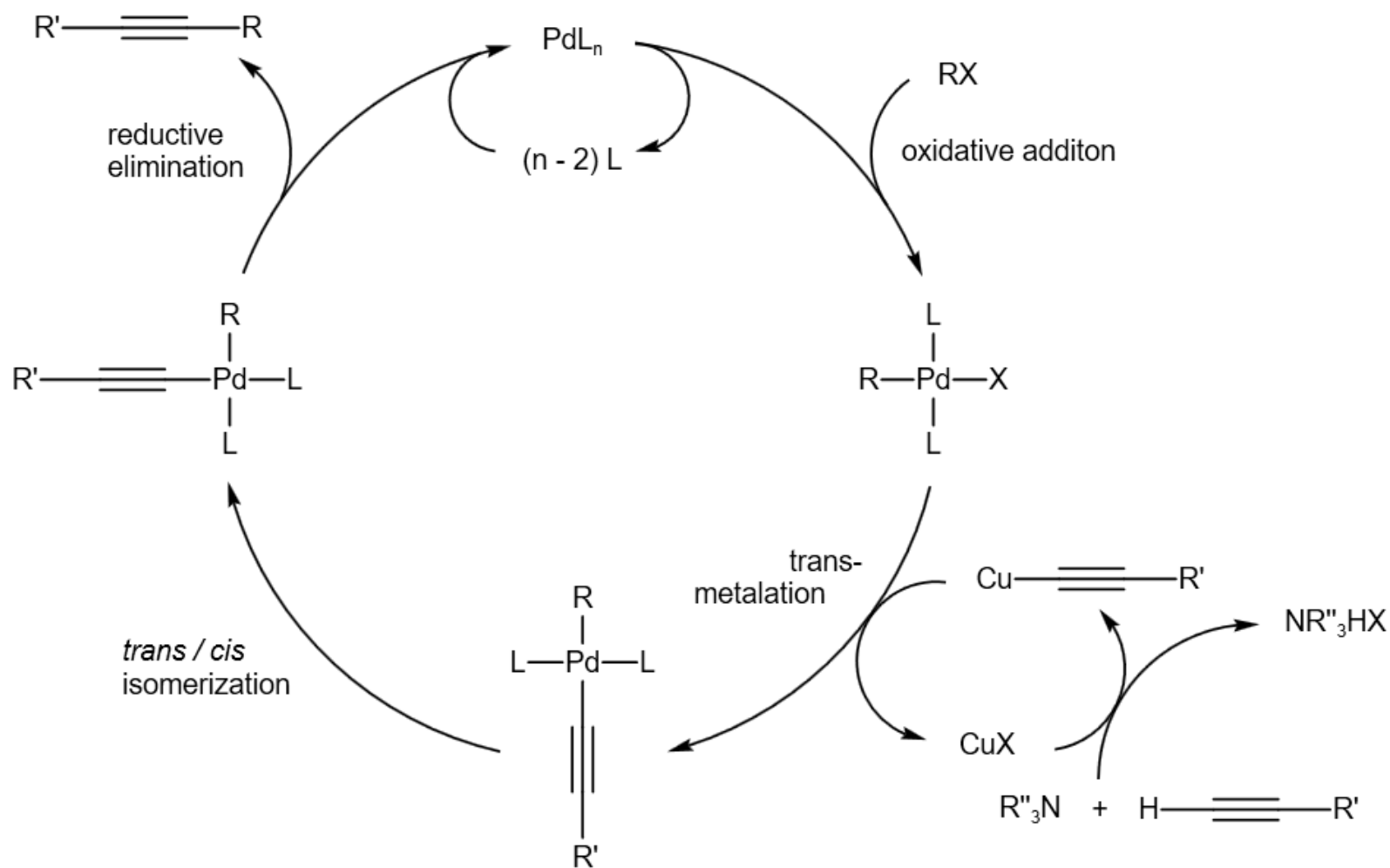


Appel反应



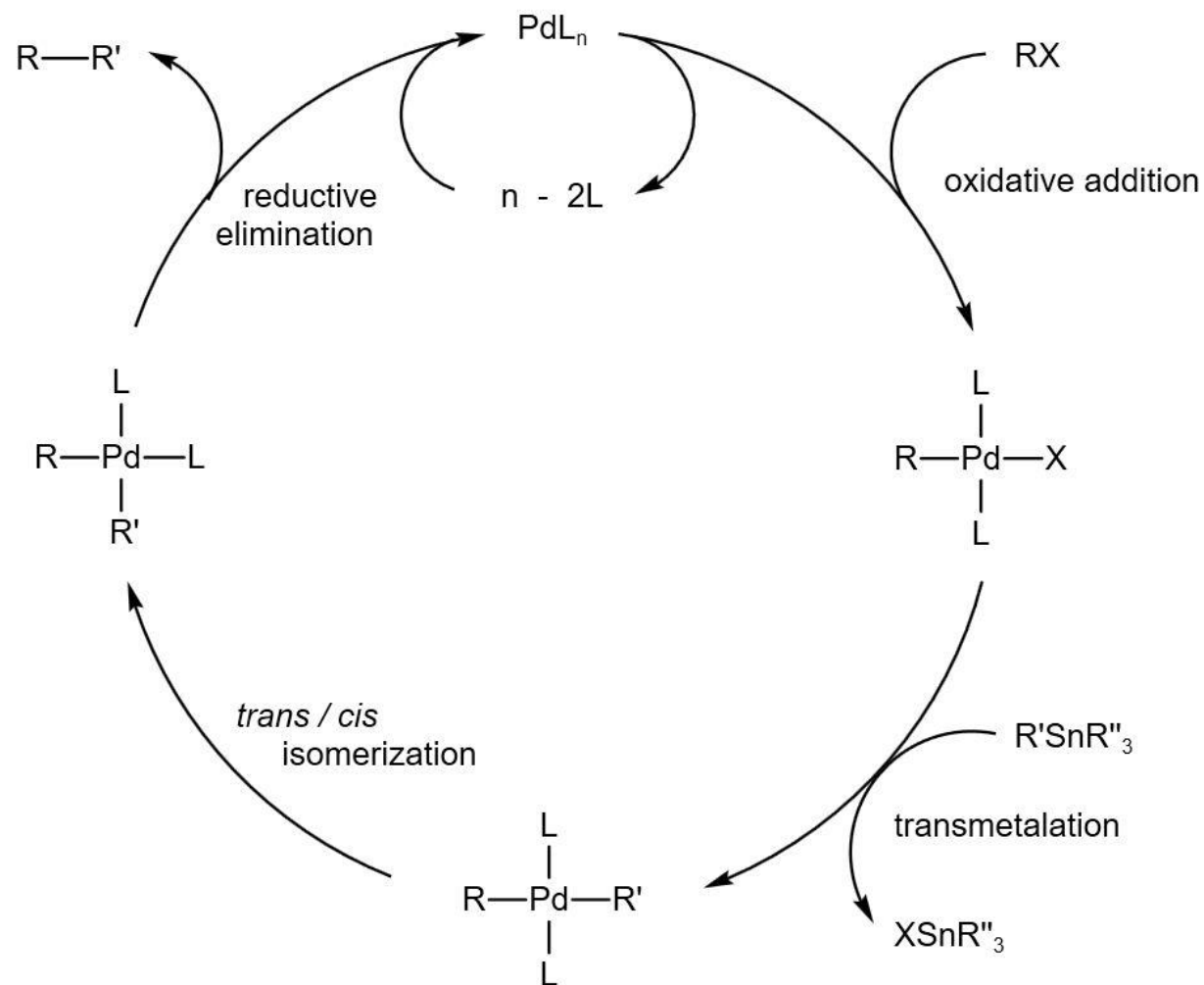
Rolf Appel, et al. *Angew. Chem. Int. Ed.* **1975**, 14, 801 –811.

Sonogashira 偶联反应



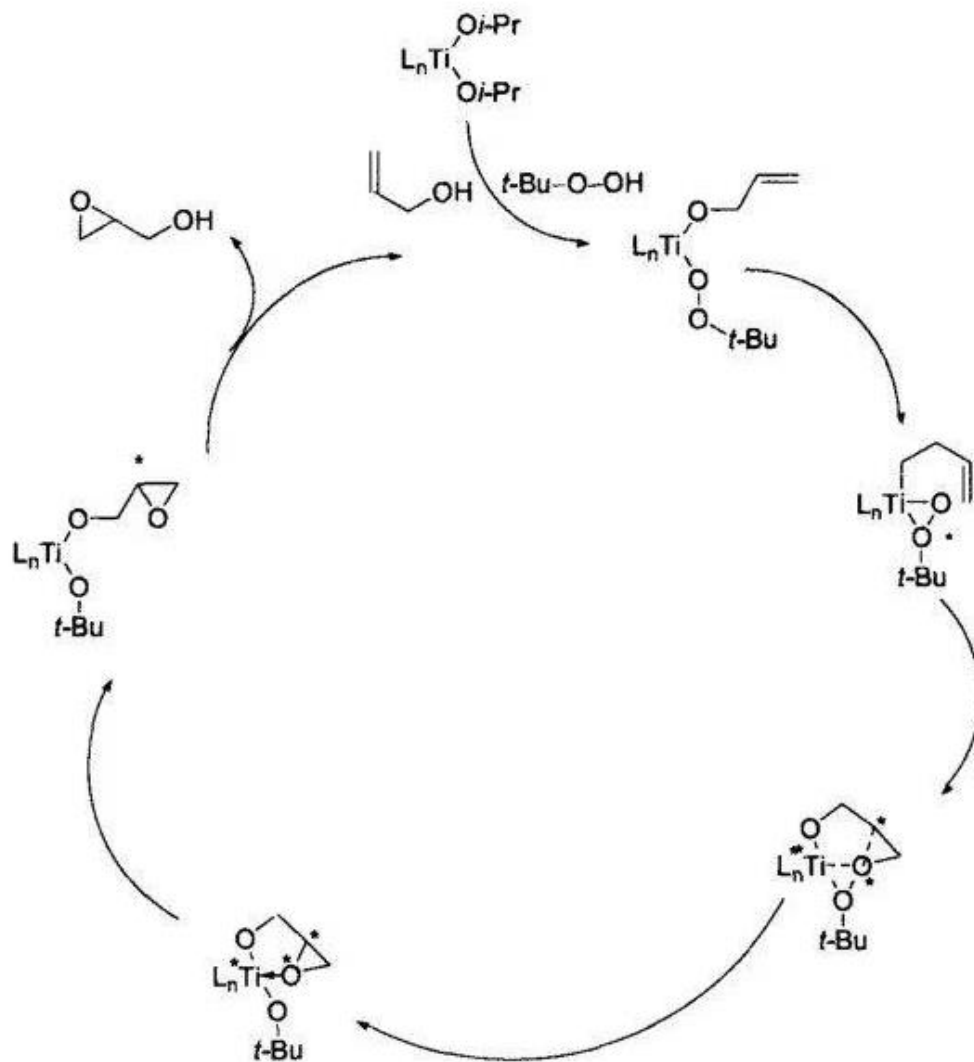
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Stille偶联反应



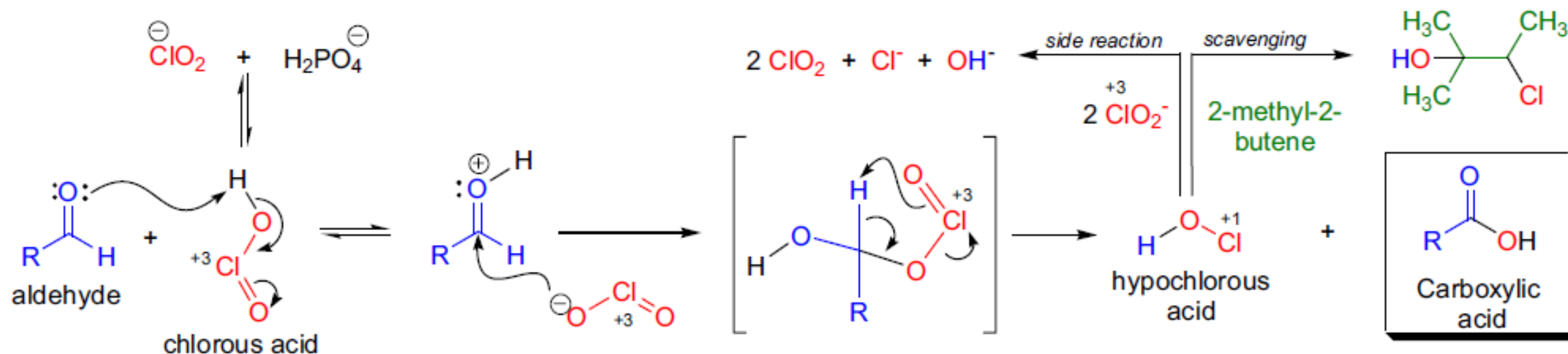
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Sharpless不对称环氧化反应



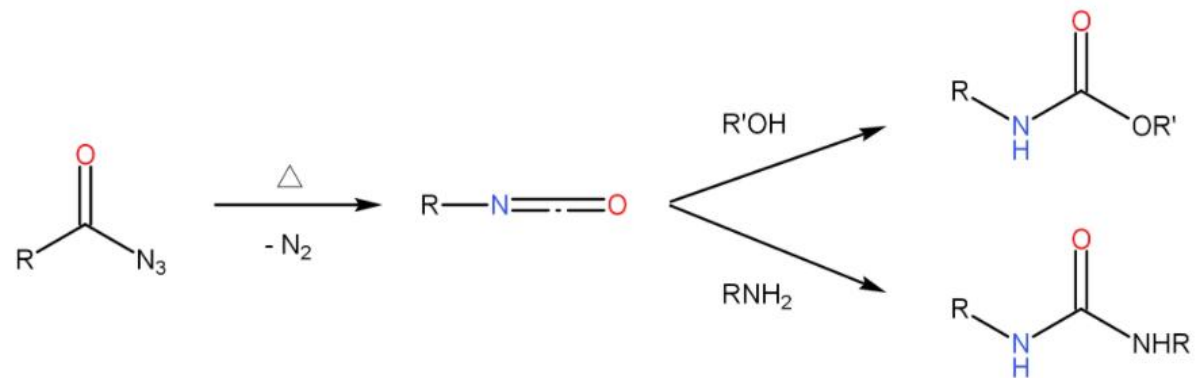
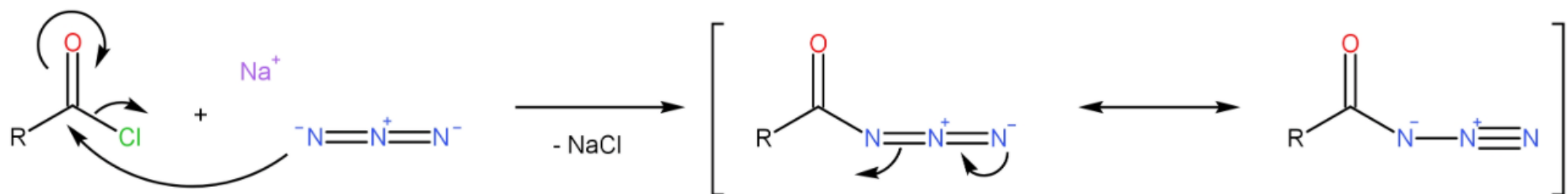
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Pinnick氧化



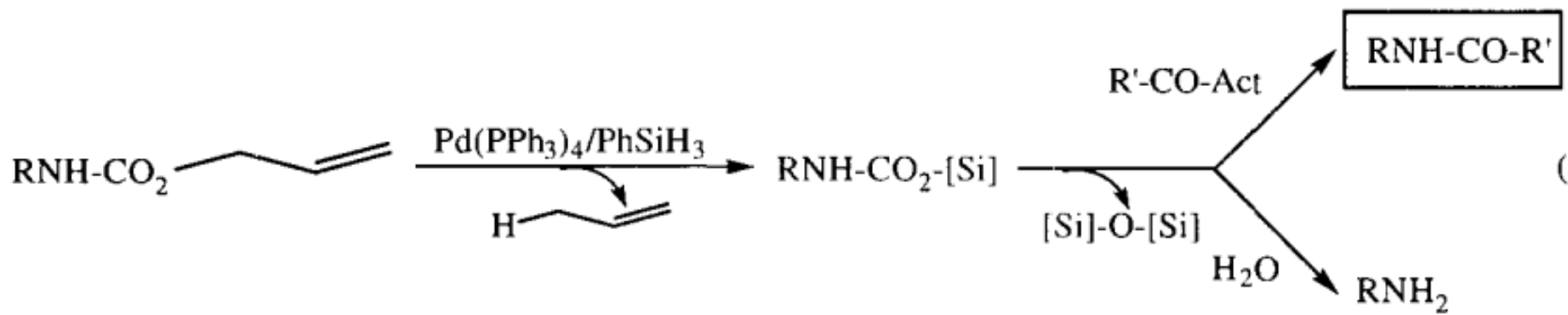
Pinnick, H. W., et al. *Tetrahedron* **1981**, 37, 2091.

Curtius重排反应



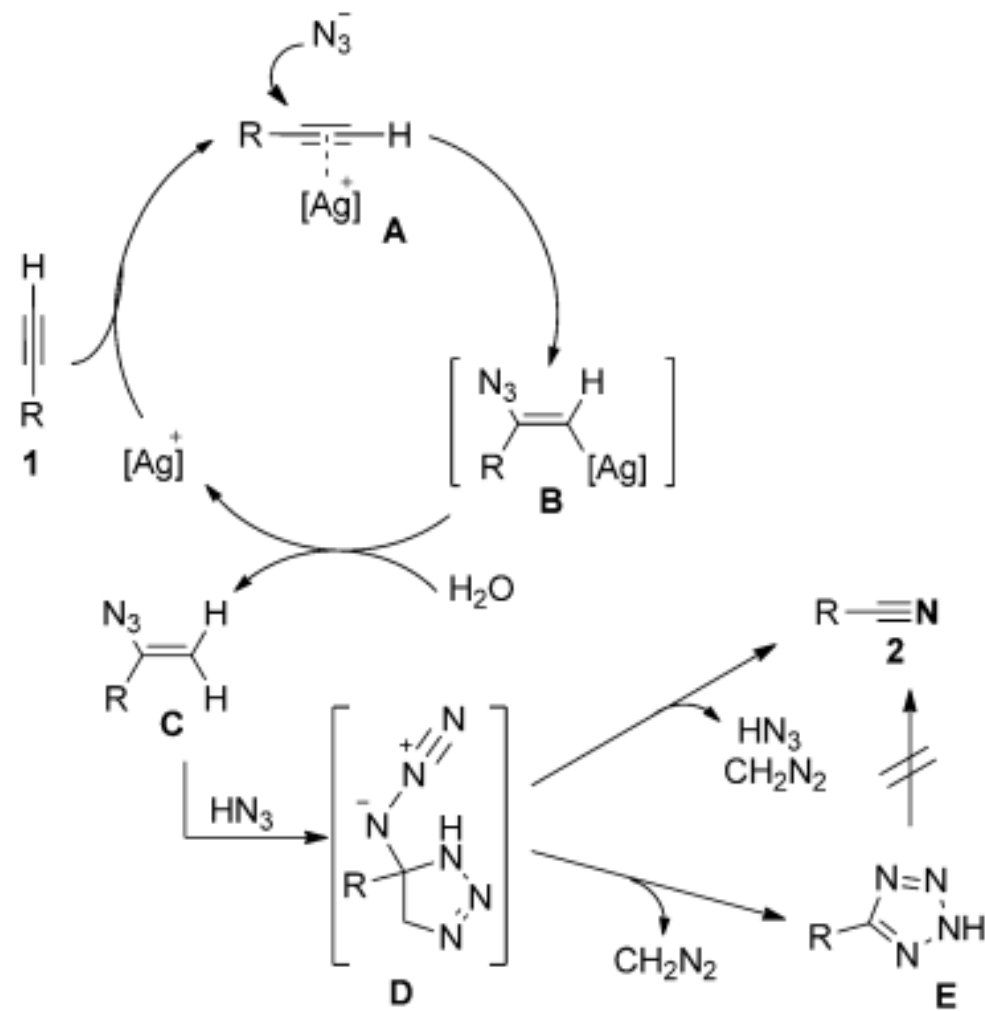
Curtius, T, et al. *Ber. Dtsch. Chem. Ges.* **1890**, 23, 3033–3041.

脱Alloc保护基



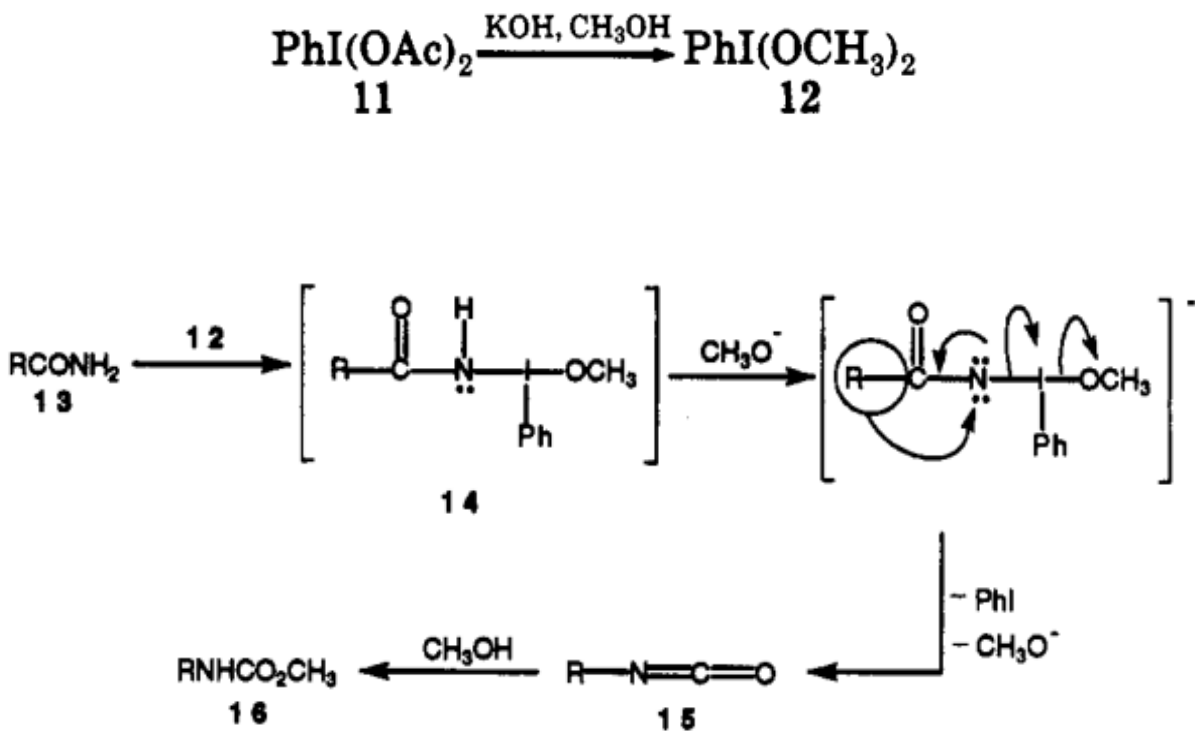
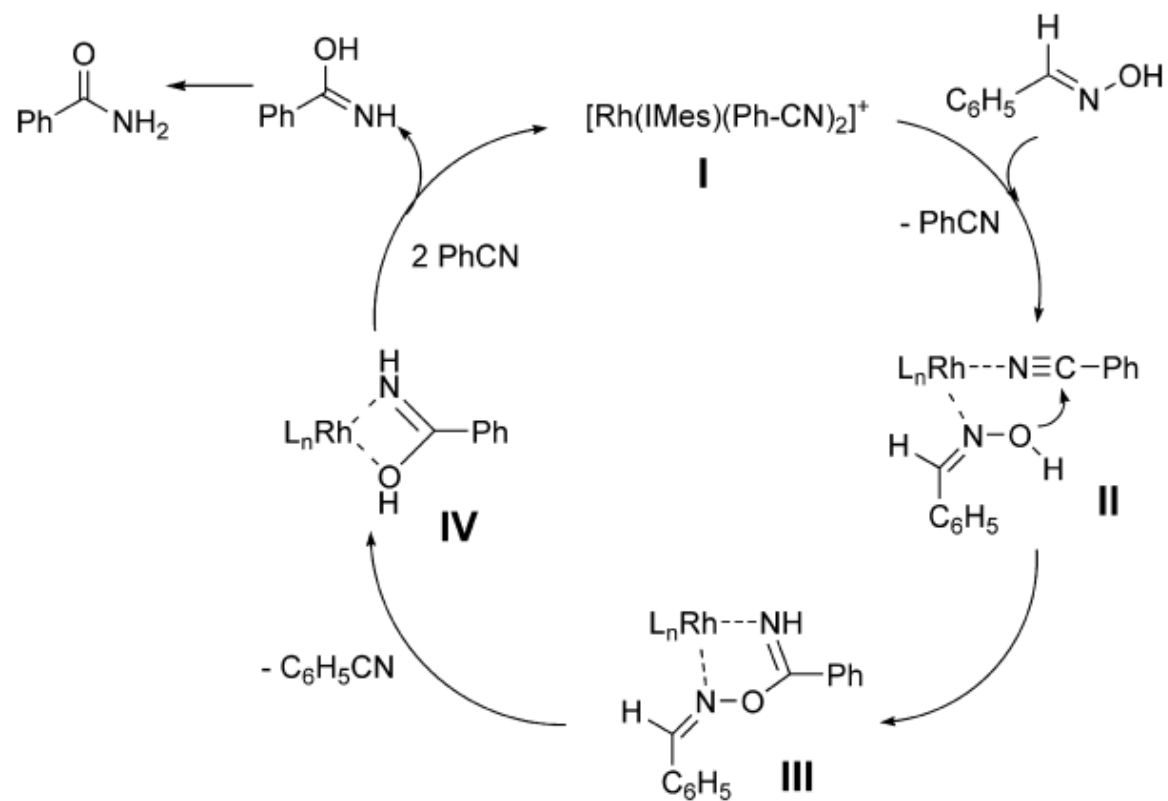
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Peking University



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