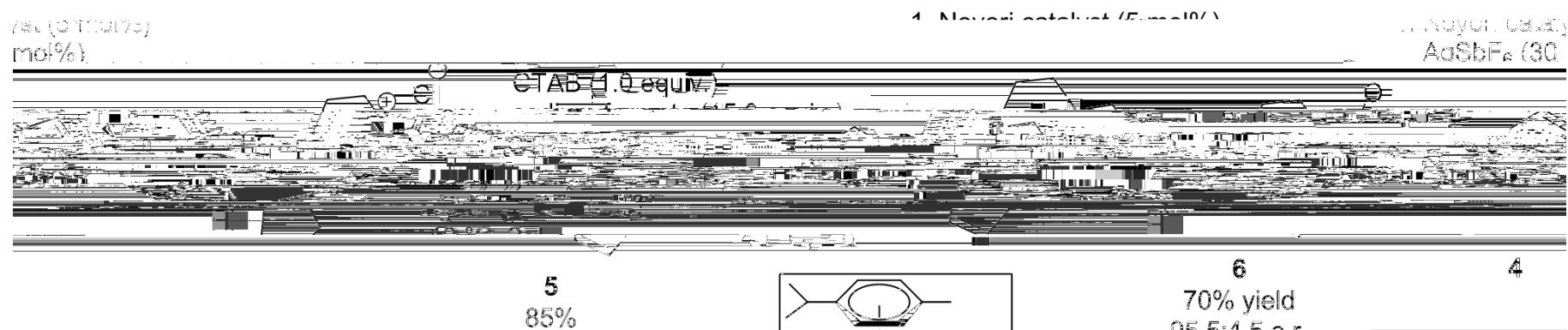


Enantioselective Total Synthesis of (-)-Terengganensine A
Piemontesi, C.; Wang, Q.; Zhu, J. *Angew. Chem. Int. Ed.* 2016, 55,

Previous Isolation and Biological Activity

- ... (
- ...
- ...

Forward Synthesis



6! 3Z ž Ž#, fižiflž, ! / fV žž! fl, ž*! ž fV! # „%&“ ži ! / fižž / ž # \$ /) \$ ž fiž fi! °
°! fiž*! fl „fi! (

@B? C fi, ž fil fi, fižž / , ž) #fi, žV ž! #fi, fižž ž ž! „! “), žž / ž%ž) | %#ž „\$ fižž / ž #
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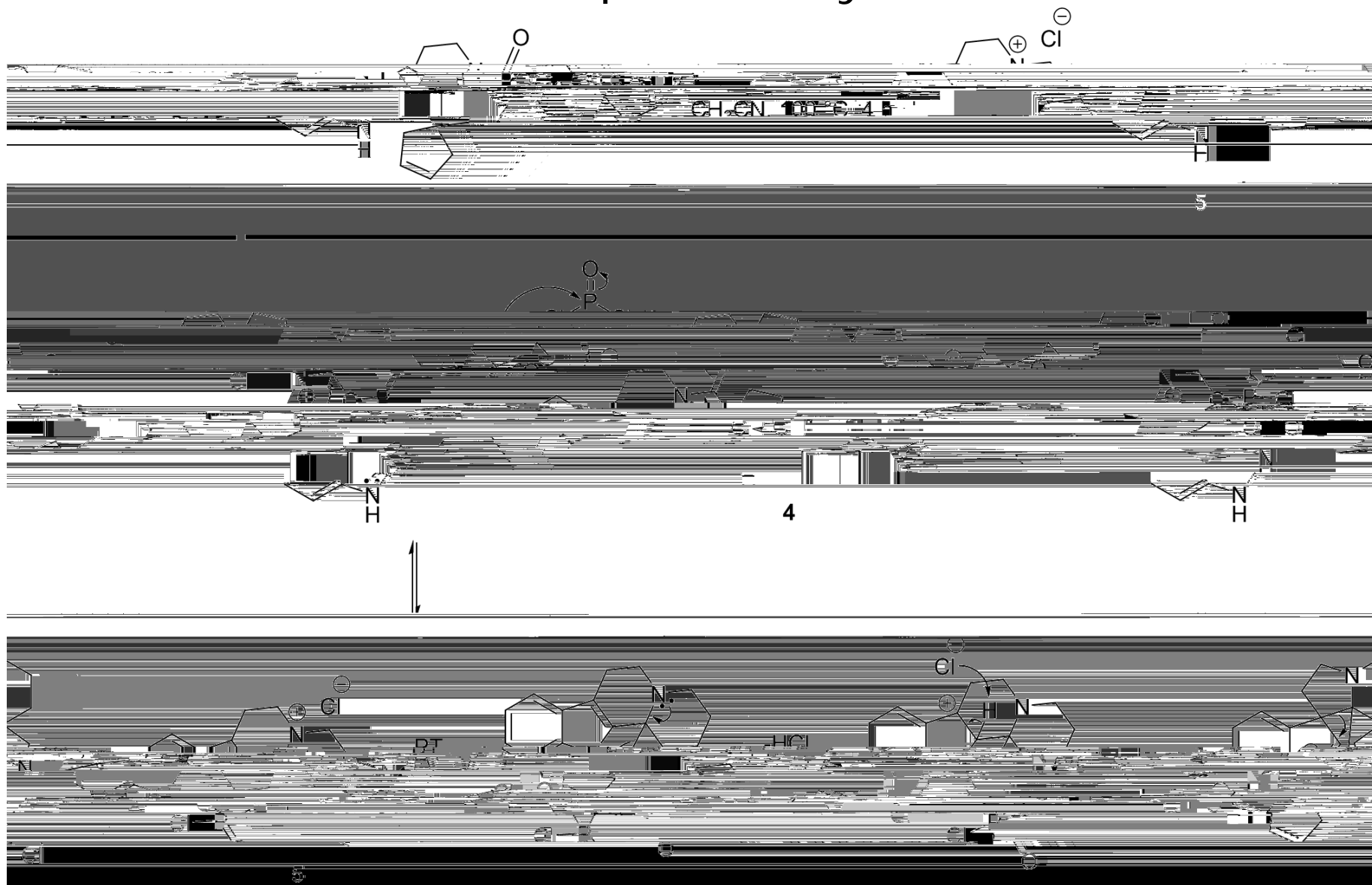
CTAB = cetyltrimethylammonium bromide

Piemontesi, C.; Wang, Q.; Zhu, J. *Angew. Chem. Int. Ed.* 2016, 55, 6556–6560.

Evanno, L.; Ormalo, J.; Pihko, P. M. *Chem. Eur. J.* 2009, 15, 12963–12967.

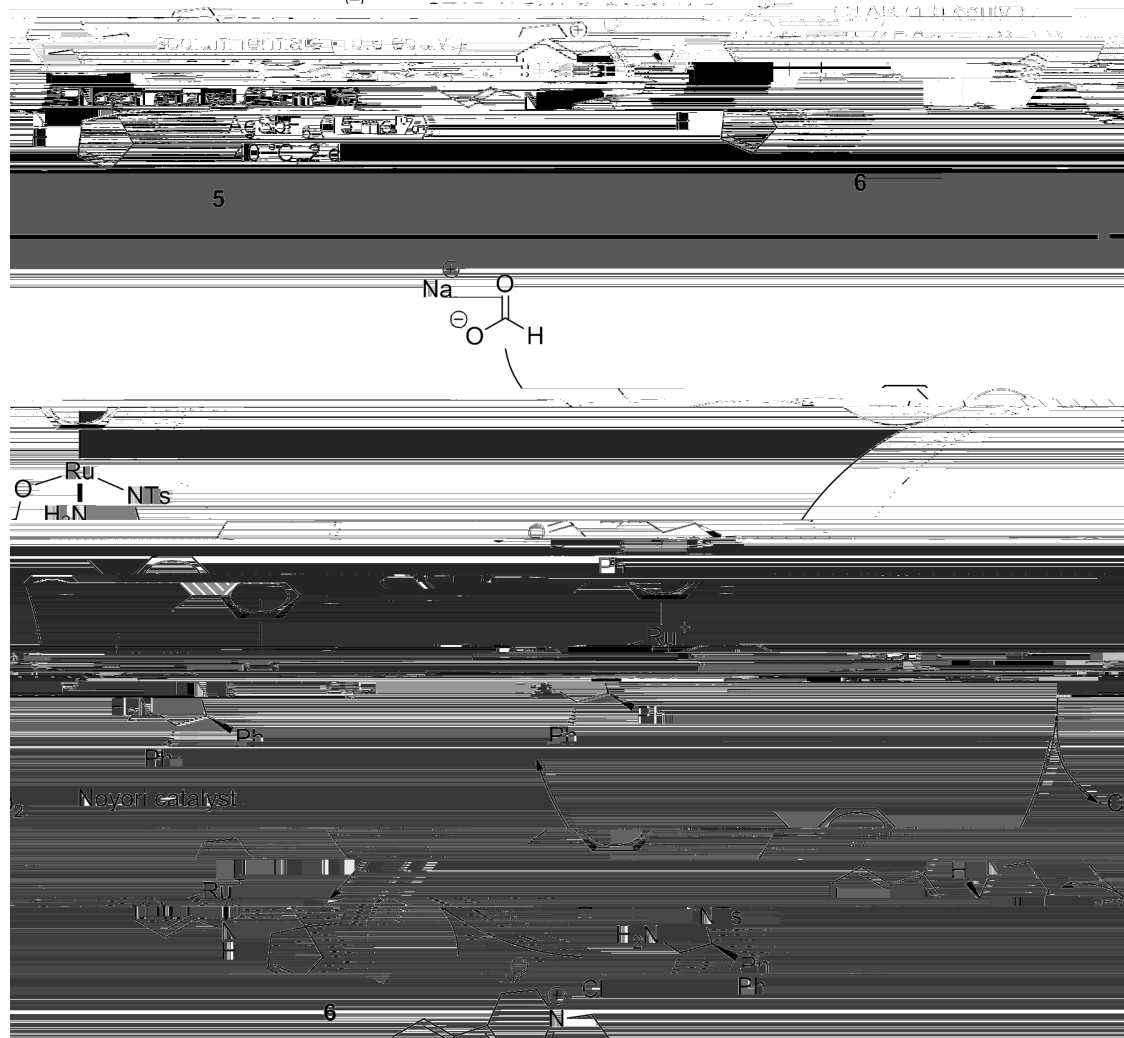
Wang, F.; Liu, H.; Cun, L.; Zhu, J.; Deng, J.; Jian, Y. *J. Org. Chem.* 2005, 70, 9424–9429.

Mechanisms: Bischler-Napieralski Cyclization



Mechanisms: Noyori Catalytic Transfer Hydrogenation

1. Noyori catalyst (5 mol%)
AgSbF₆ (30 mol%)



Mechanisms: