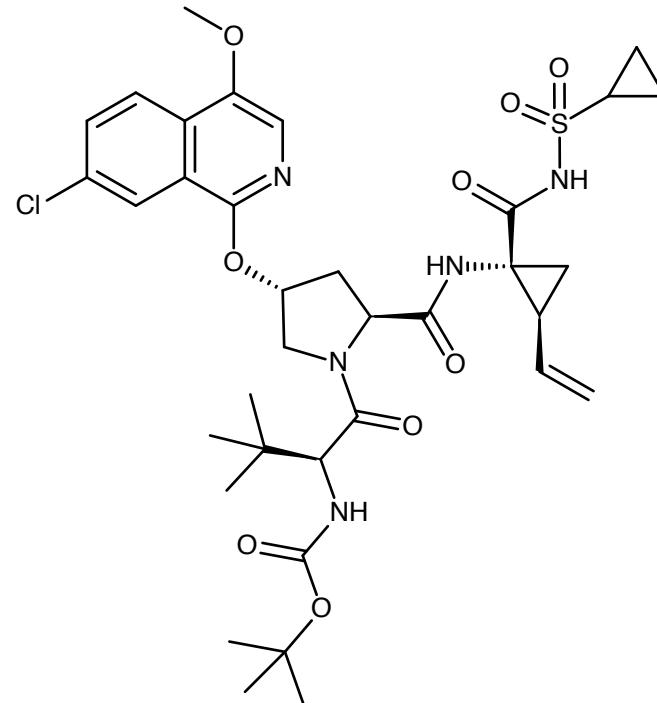


Synthesis of Asunaprevir (Sunvepra)

from “Synthetic approaches to the 2014 new drugs”

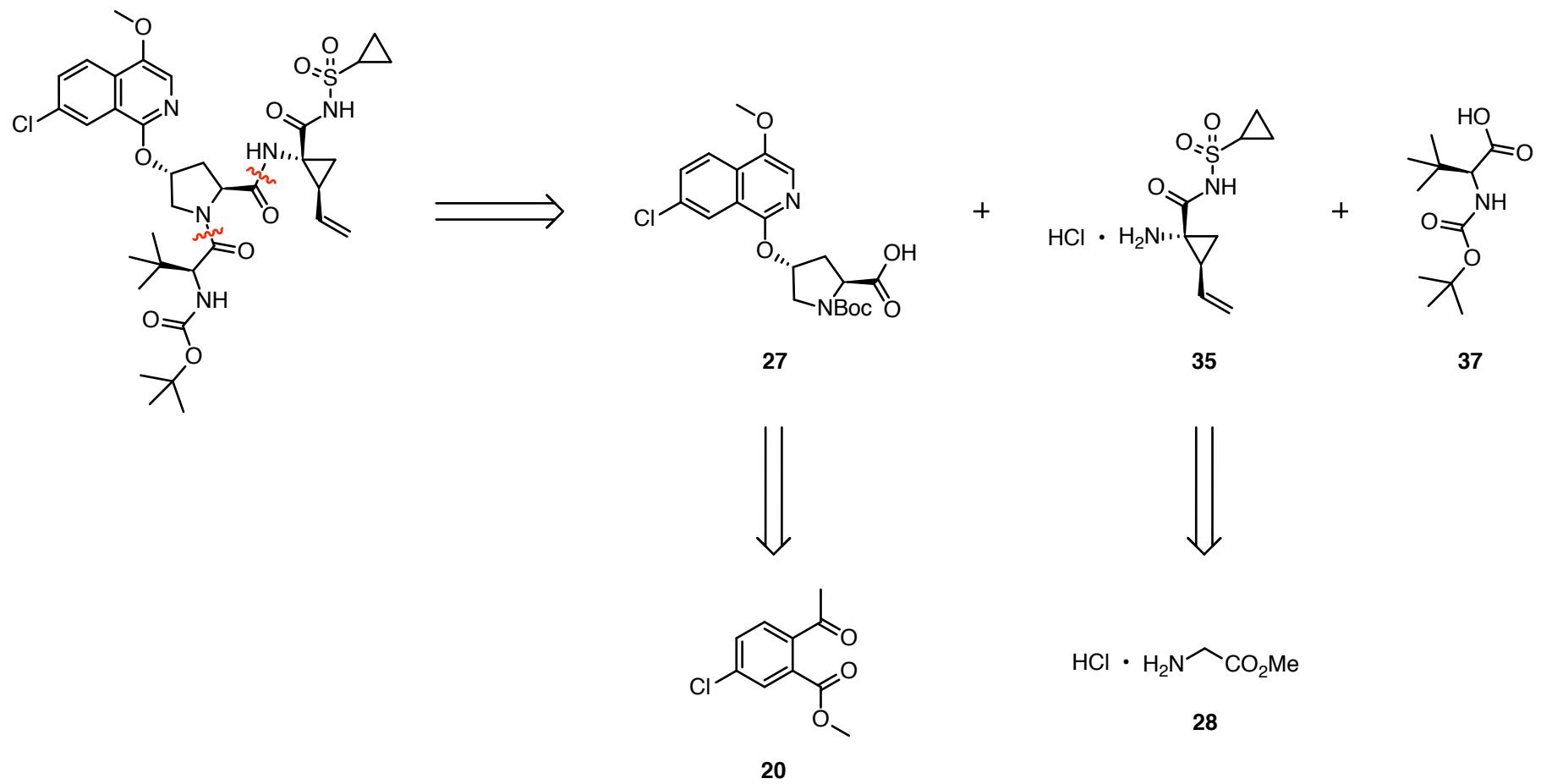
Flick, A. C.; Ding, H. X.; Leverett, C. A.; Kyne Jr. R. E.; Liu, K. K.-C.; Fink, S. J.; O'Donnell, C. J.
Bioorg. Med. Chem. **2016**, 24 (9), 1937 – 1980

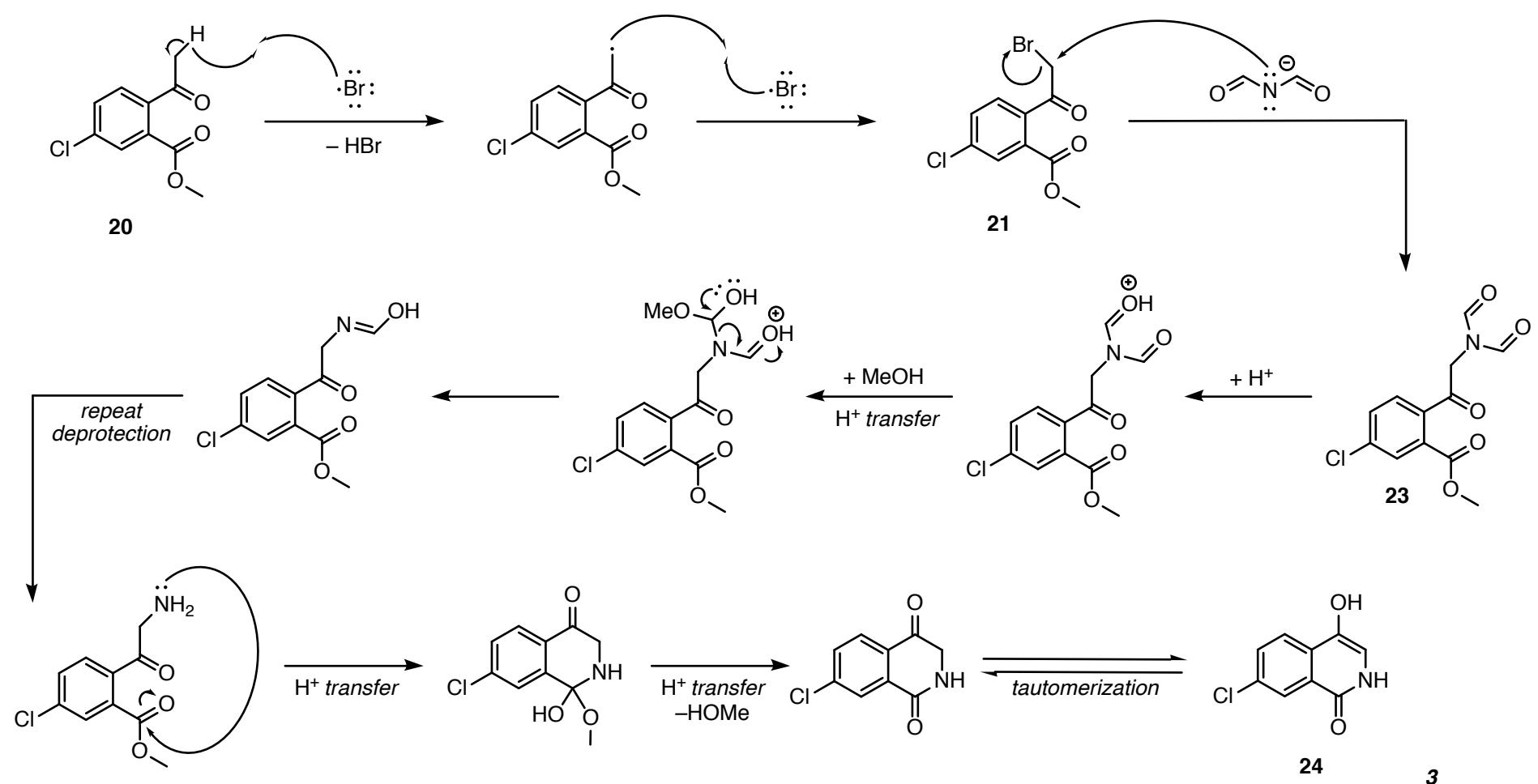
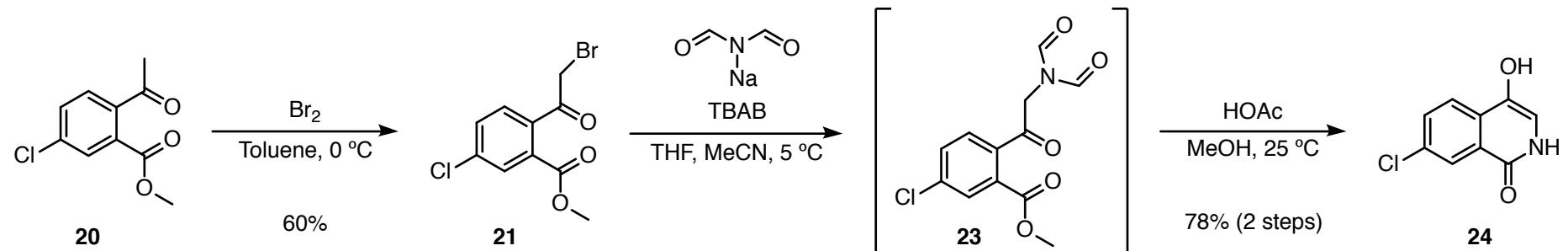
- When used in combination with Daclatasvir, offers a unique option for the treatment of hepatitis C
- Though the manufacturing route has not been disclosed, this procedure is the likely scale route used by Bristol–Myers Squibb
- Convergent synthesis: 20 total steps, overall ~3% yield

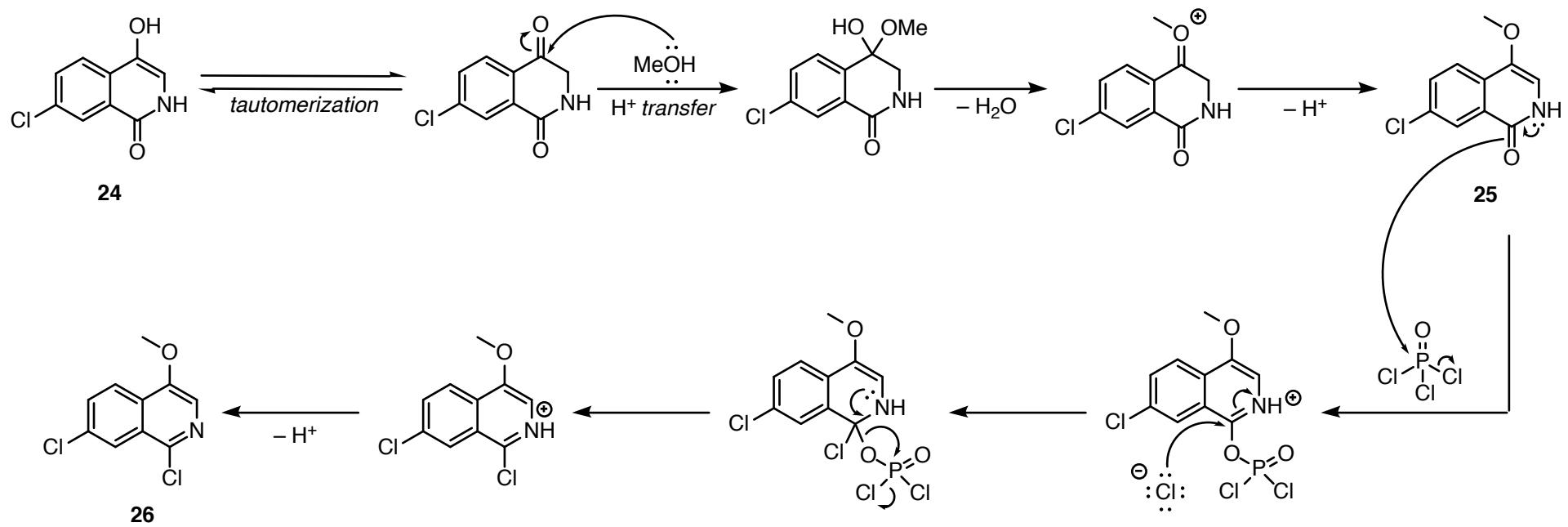
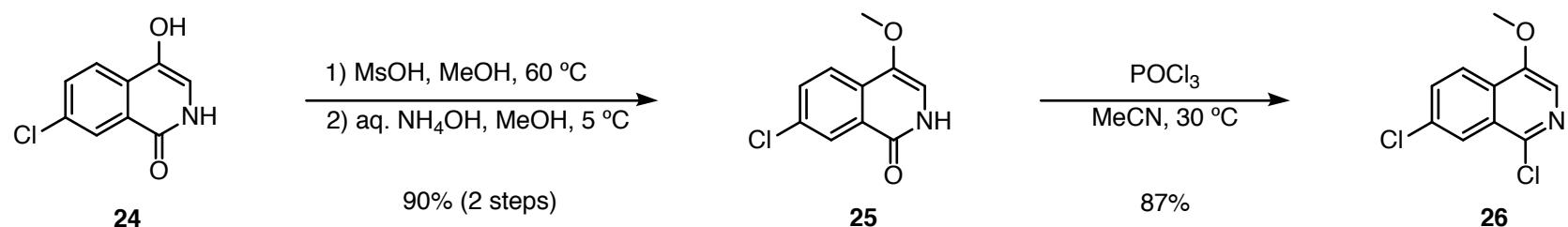


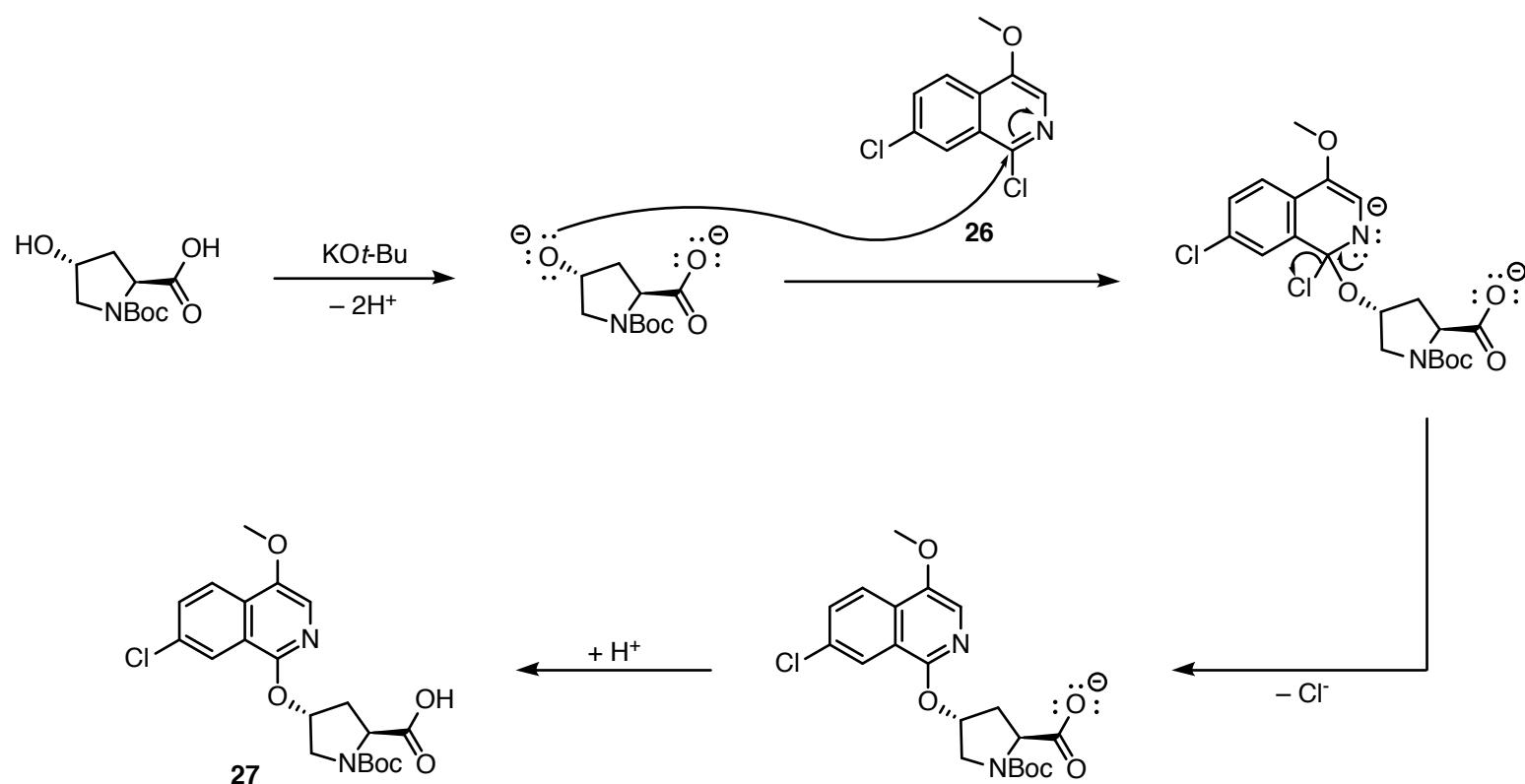
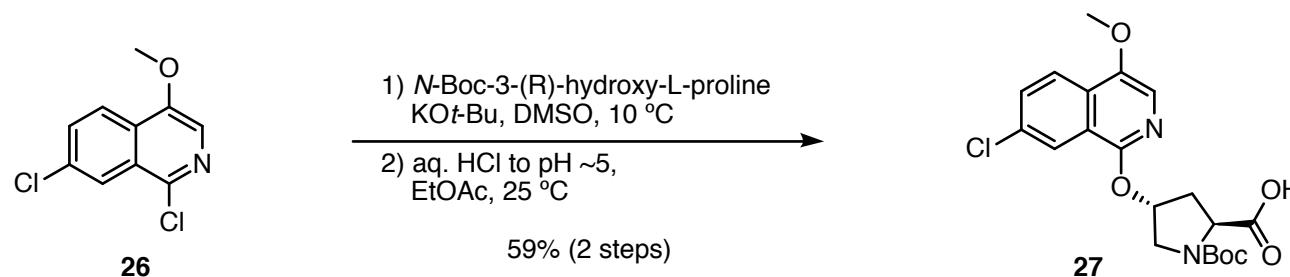
Jonathan Deegan
Liu Research Group
8 November 2018

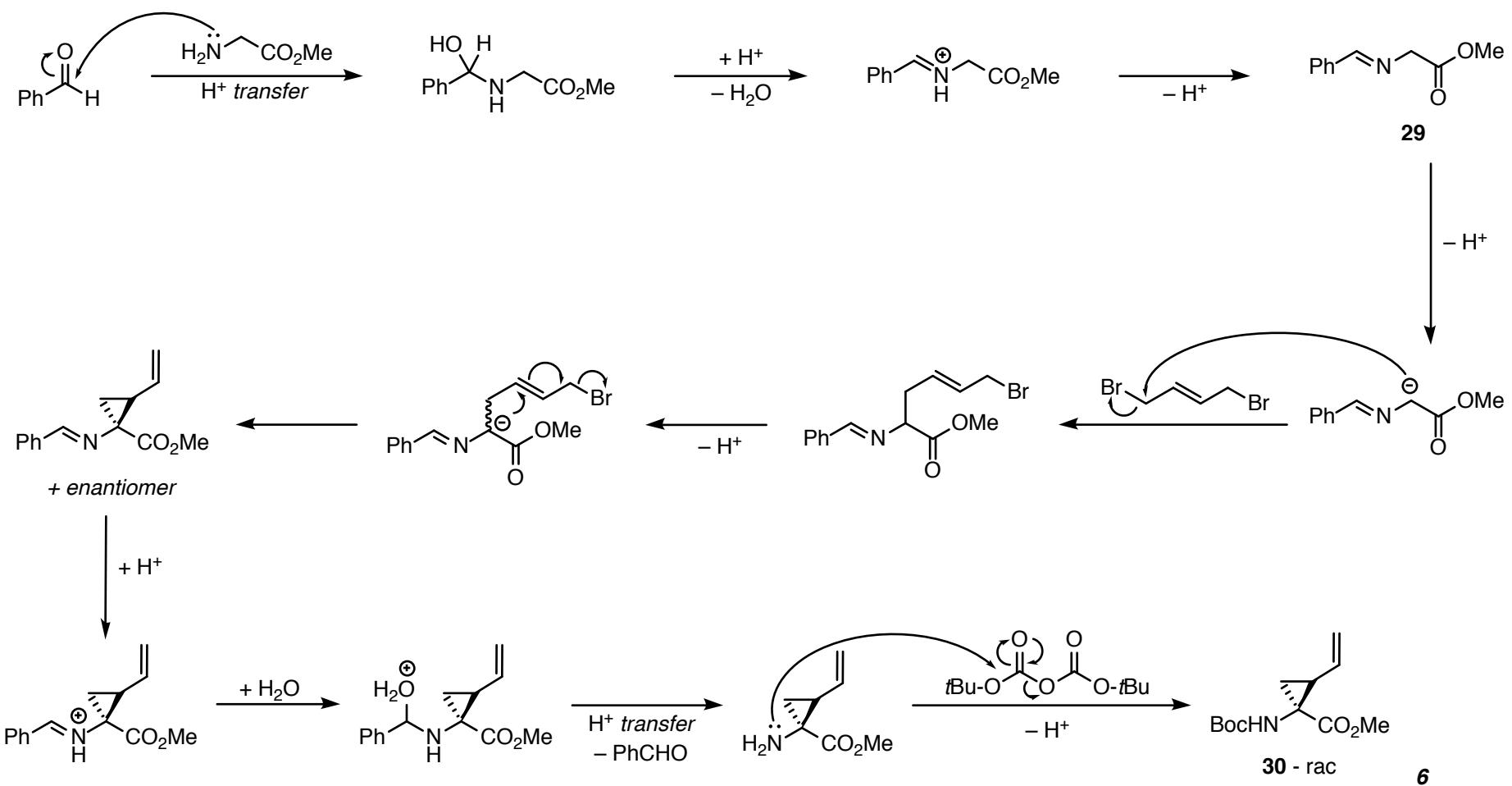
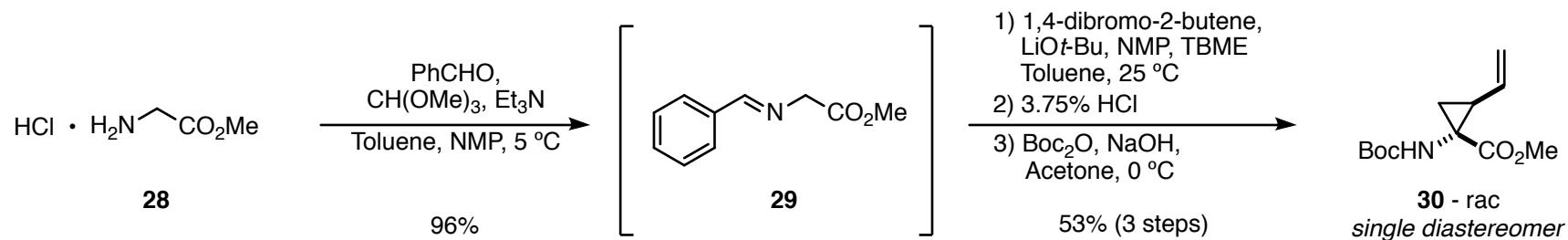
Retrosynthetic Analysis

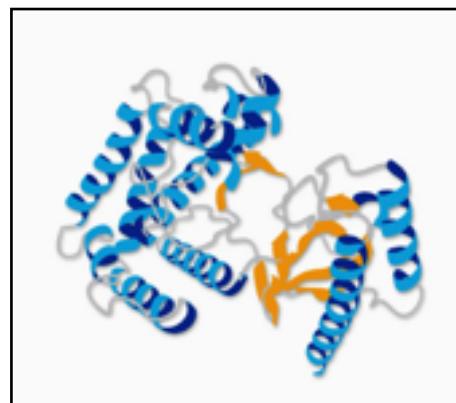
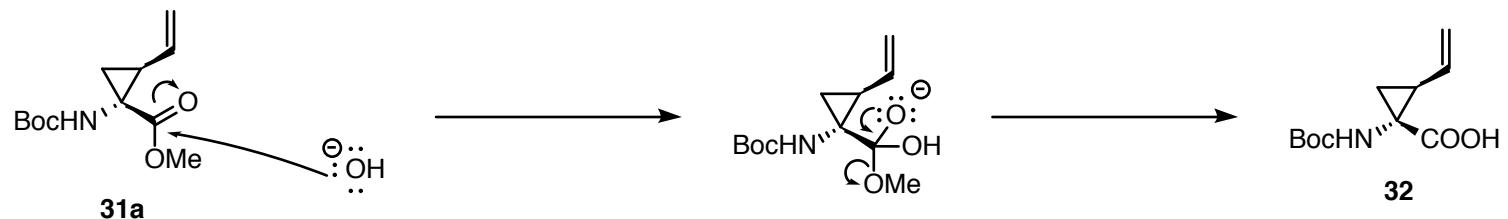
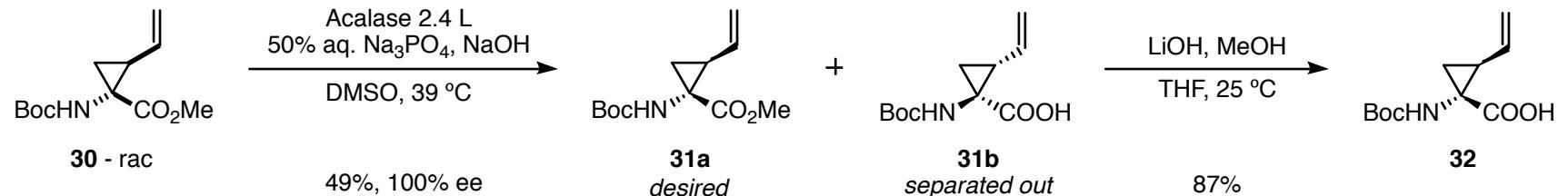












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