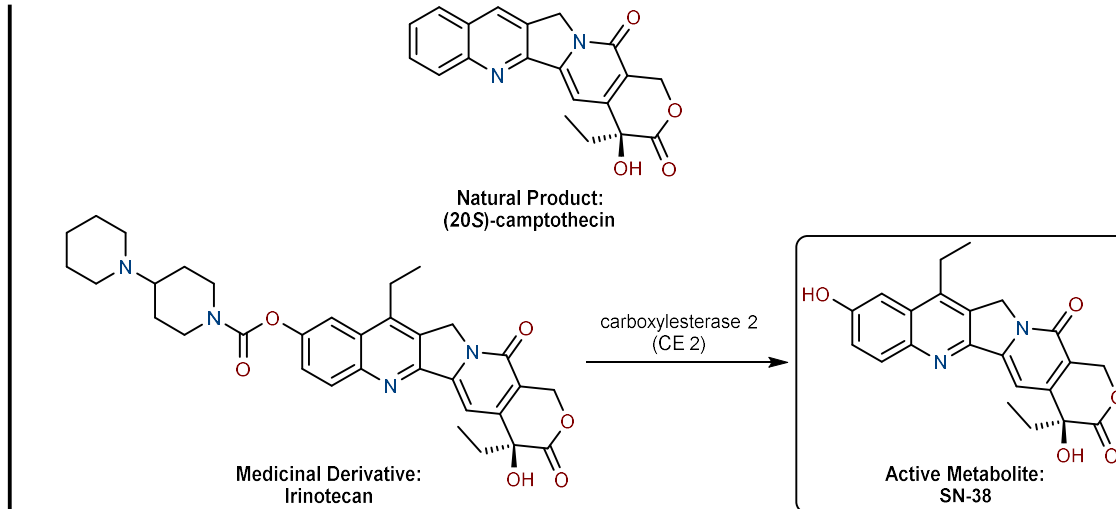


Introduction:

- SN-38 is an active metabolite of Irinotecan, a topoisomerase 1 inhibitor.
- Irinotecan, in turn, was developed as a more water soluble analogue of the natural product camptothecin.
- Irinotecan is included in the WHO list of essential medicines for the treatment of colorectal cancer.
- As of April 2020, SN-38 was approved as an antibody-drug conjugate (Trodelvy) for the treatment of triple-negative breast cancer.



World Health Organization Model List of Essential Medicines, 21st List, 2019. Geneva: World Health Organization; 2019. Licence: CC BY-NC-SA 3.0 IGO. Pharm. Res. 2019, 148, 104398

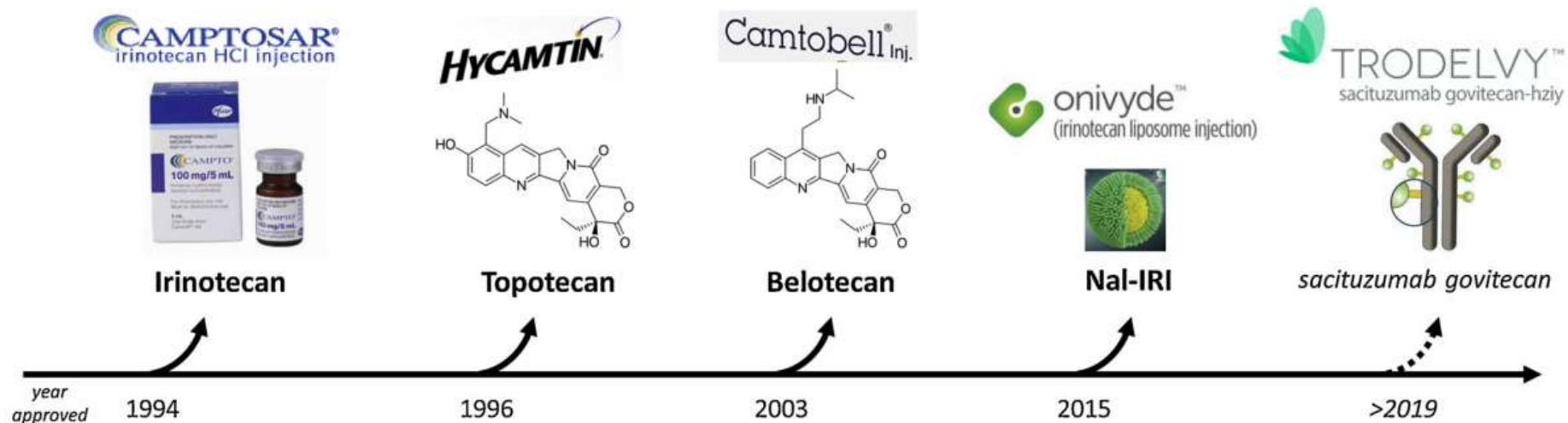
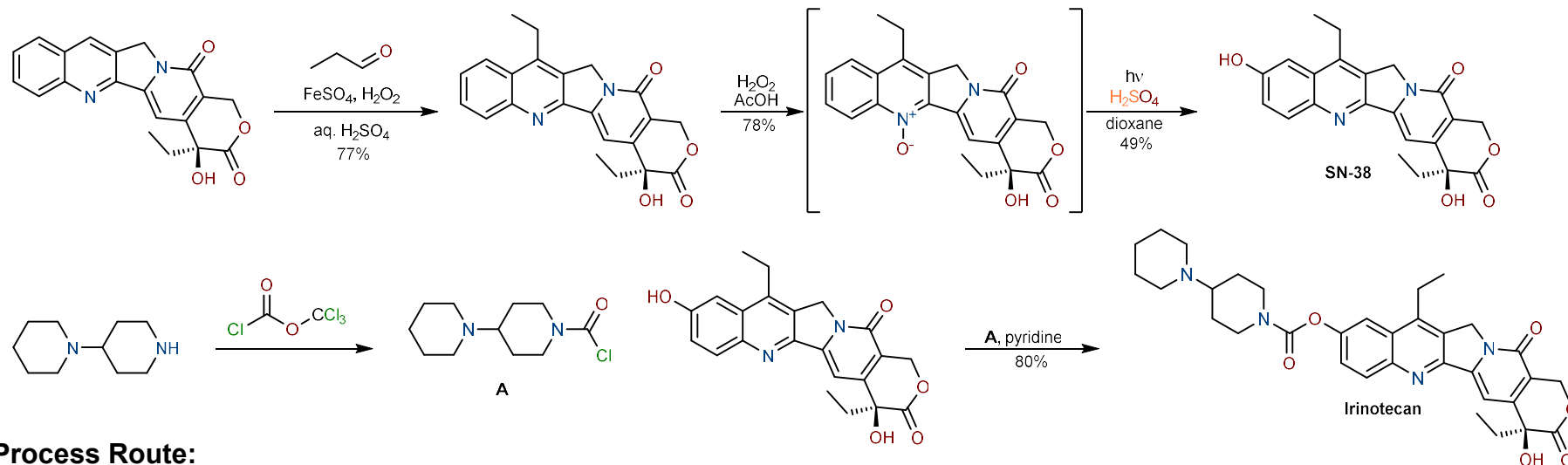


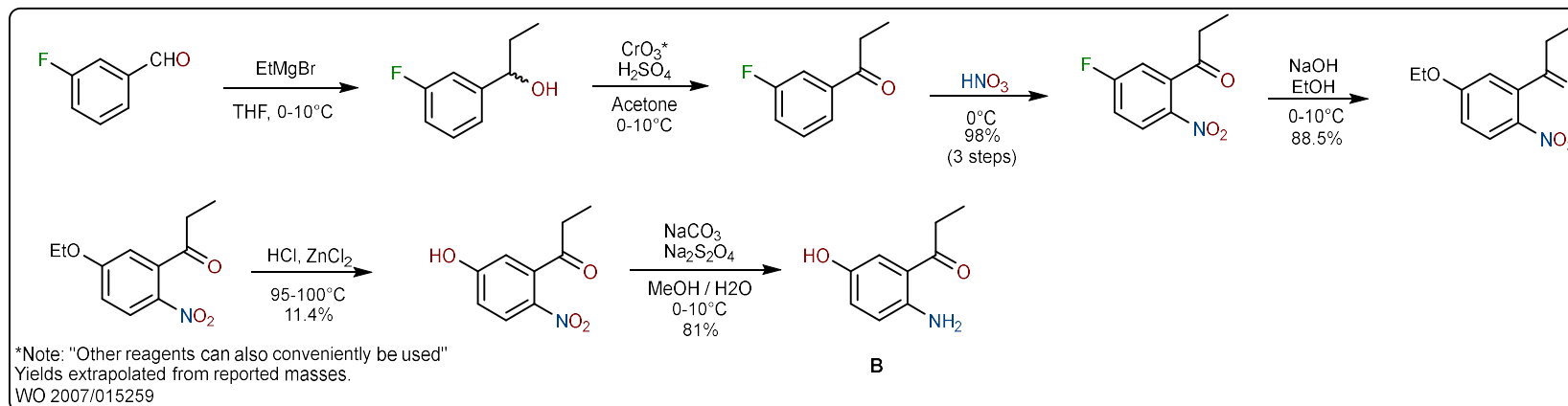
Image Credit: Pharm. Res. 2019, 148, 104398.

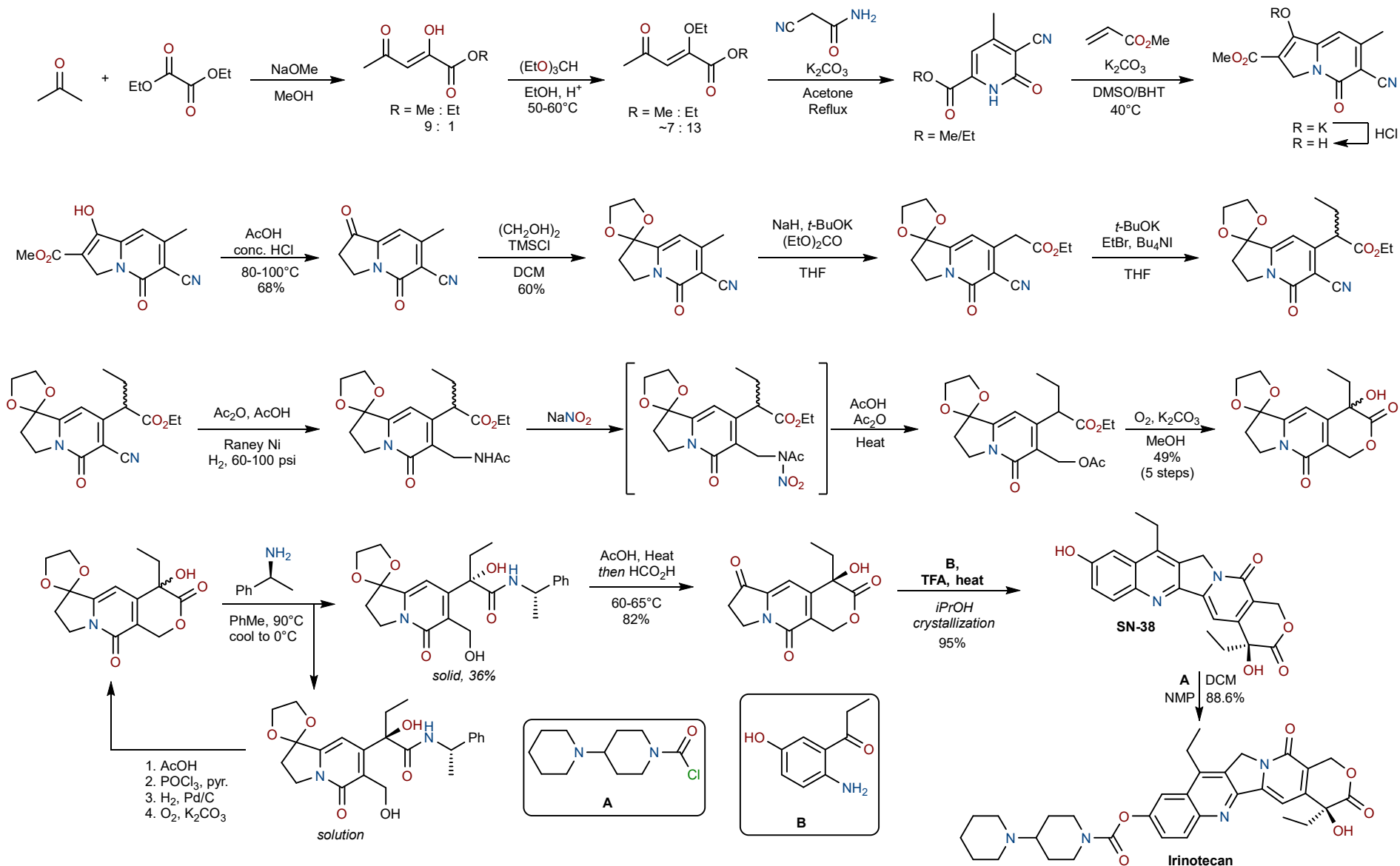
See also: Szczepankiewicz, Daniel 7/24/2020. Sarlahgroup.com/drug-of-the-week

Discovery Route:



Process Route:





Yields extrapolated from reported masses.
 IN 1460/CHE/2010 A
 WO 2012/032531