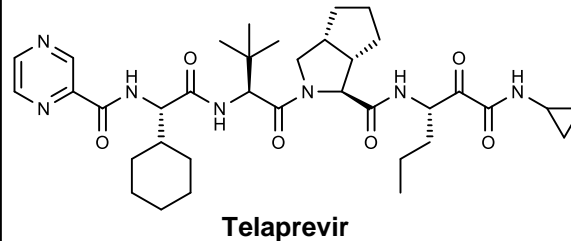


Drug Facts:

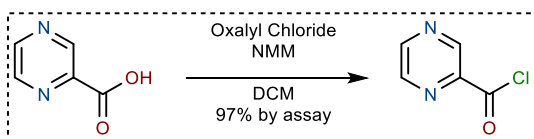
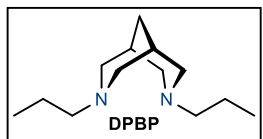
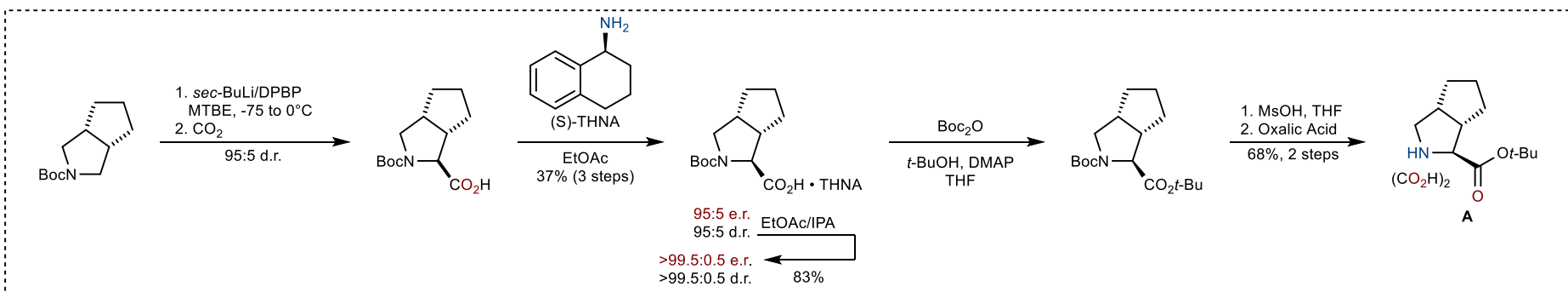
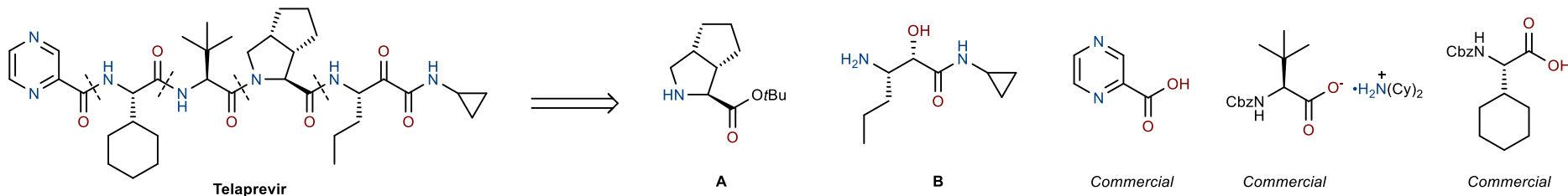
- Hepatitis C affects more than 200 million people worldwide. A prevailing treatment is the use of PEGylated interferon and ribavirin, although this method faces significant nonresponse from patients due to viral resistance.
- Telaprevir is a protease inhibitor used in conjunction with peginterferon alfa and ribavirin for the treatment of genotype I chronic hepatitis.
- The compound's structure consists of four amino acid residues and a pyrazine cap.



Featuring:
Johnson & Johnson

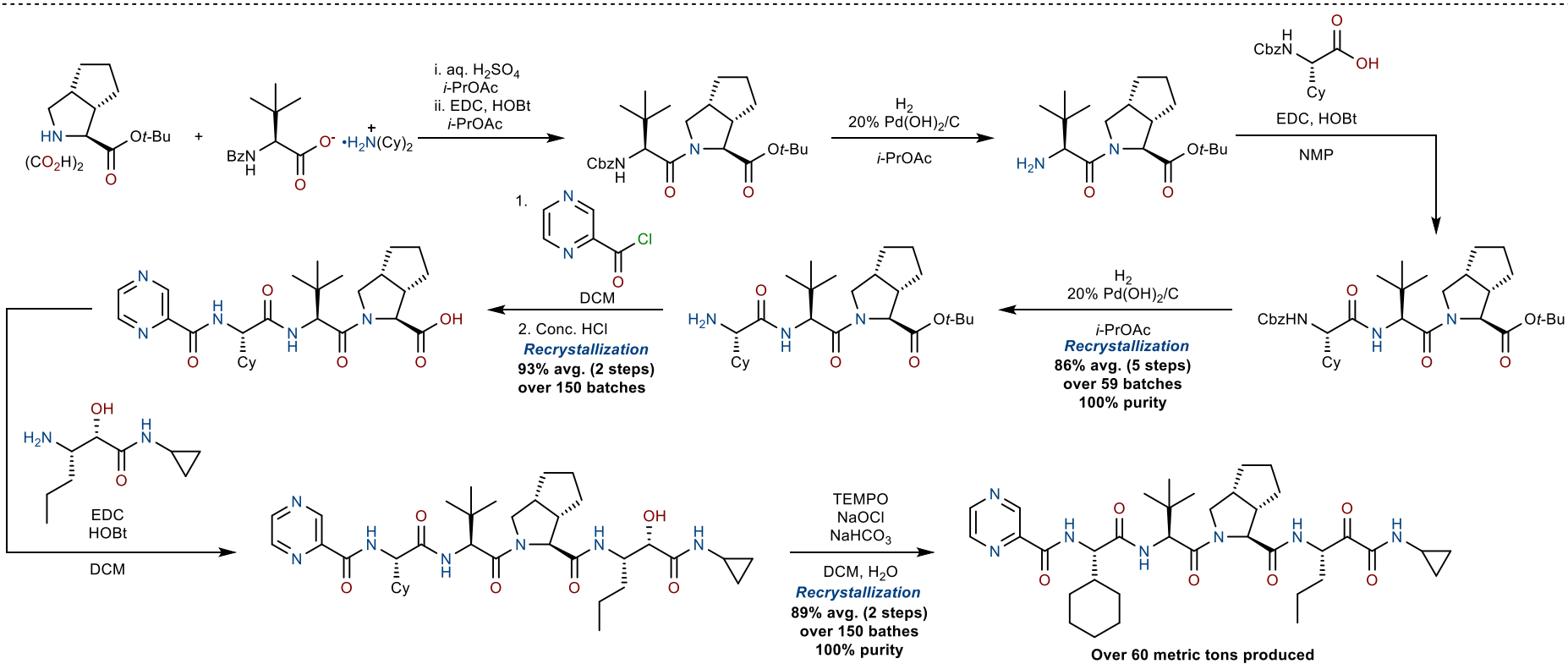
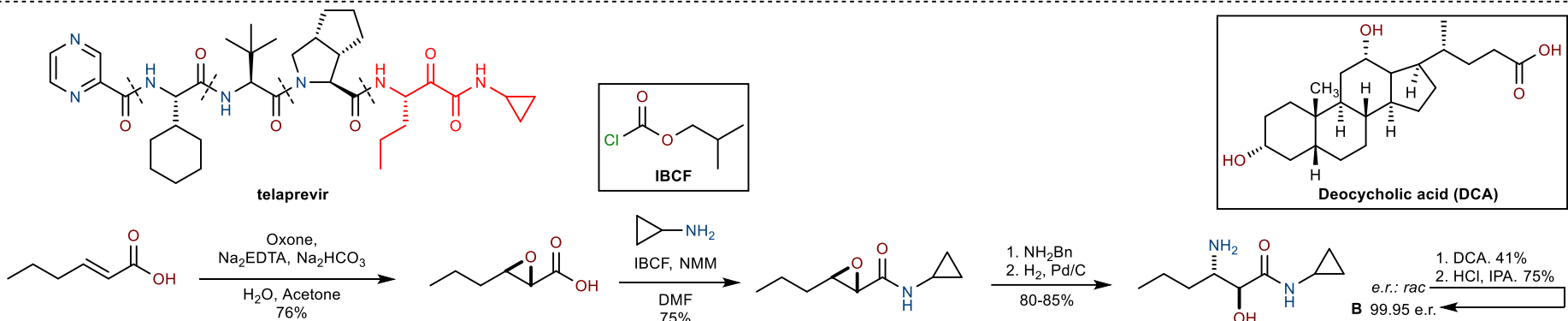
VERTEX

Process Route: Conventional Chemosynthesis Multihundred Kilogram Scale



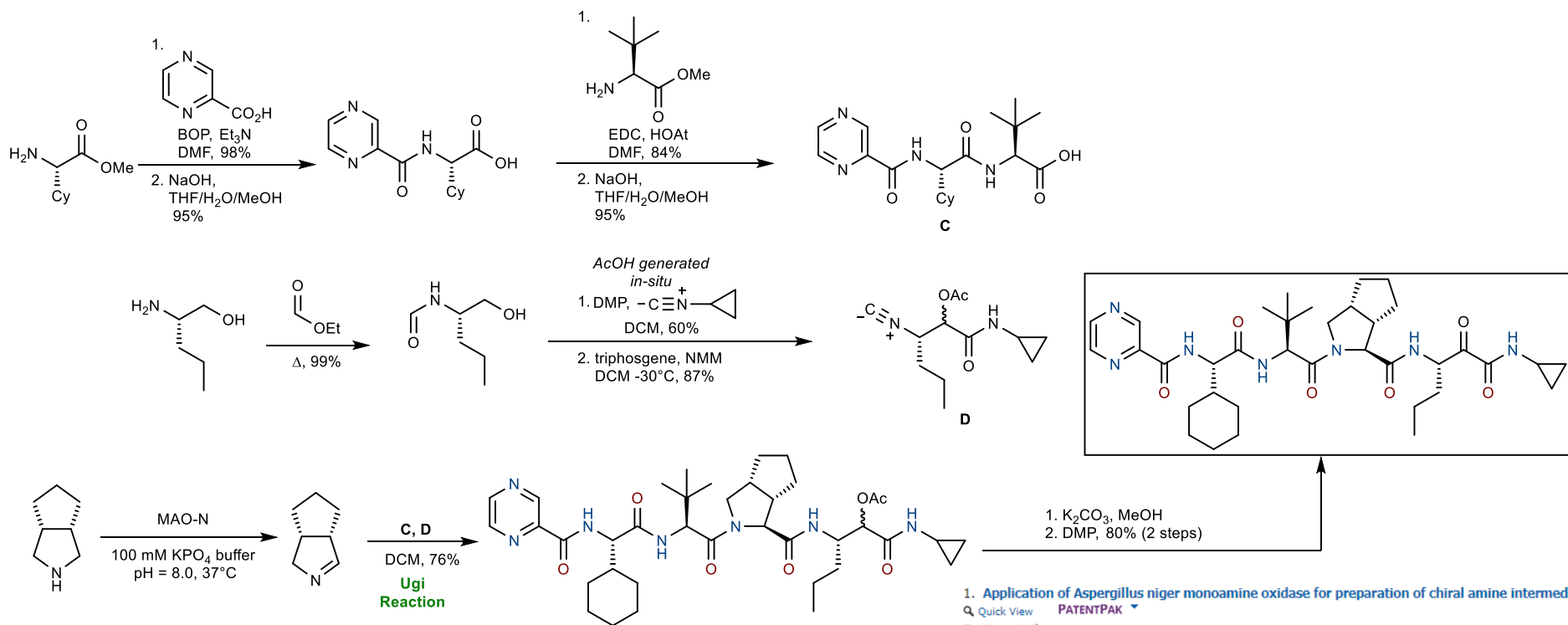
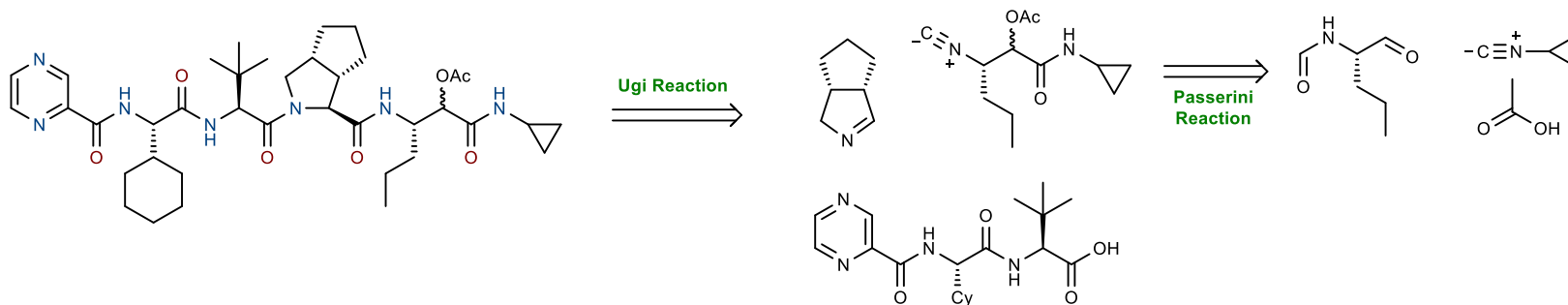
https://www.accessdata.fda.gov/drugsatfda_docs/label/2011/201917lbl.pdf

Telaprevir: From Drug Discovery to the Manufacture of Drug Substance. In *Comprehensive Accounts of Pharmaceutical Research and Development: From Discovery to Late-Stage Process Development Volume 1*, American Chemical Society: 2016; Vol. 1239, pp 281-323. <https://doi.org/10.1021/bk-2016-1239.ch012>



Telaprevir: From Drug Discovery to the Manufacture of Drug Substance. In *Comprehensive Accounts of Pharmaceutical Research and Development: From Discovery to Late-Stage Process Development Volume 1*, American Chemical Society: 2016; Vol. 1239, pp 281-323. <https://doi.org/10.1021/bk-2016-1239.ch012>

Novel Route: Via Enzymatic Desymmetrization
Gram Scale



1. Application of *Aspergillus niger* monoamine oxidase for preparation of chiral amine intermediate
Quick View PATENTPAK
By Wang, Haibo
From Faming Zhuanli Shenqing (2019), CN 109971730 A 20190705. | Language: Chinese, Database: CAPLUS