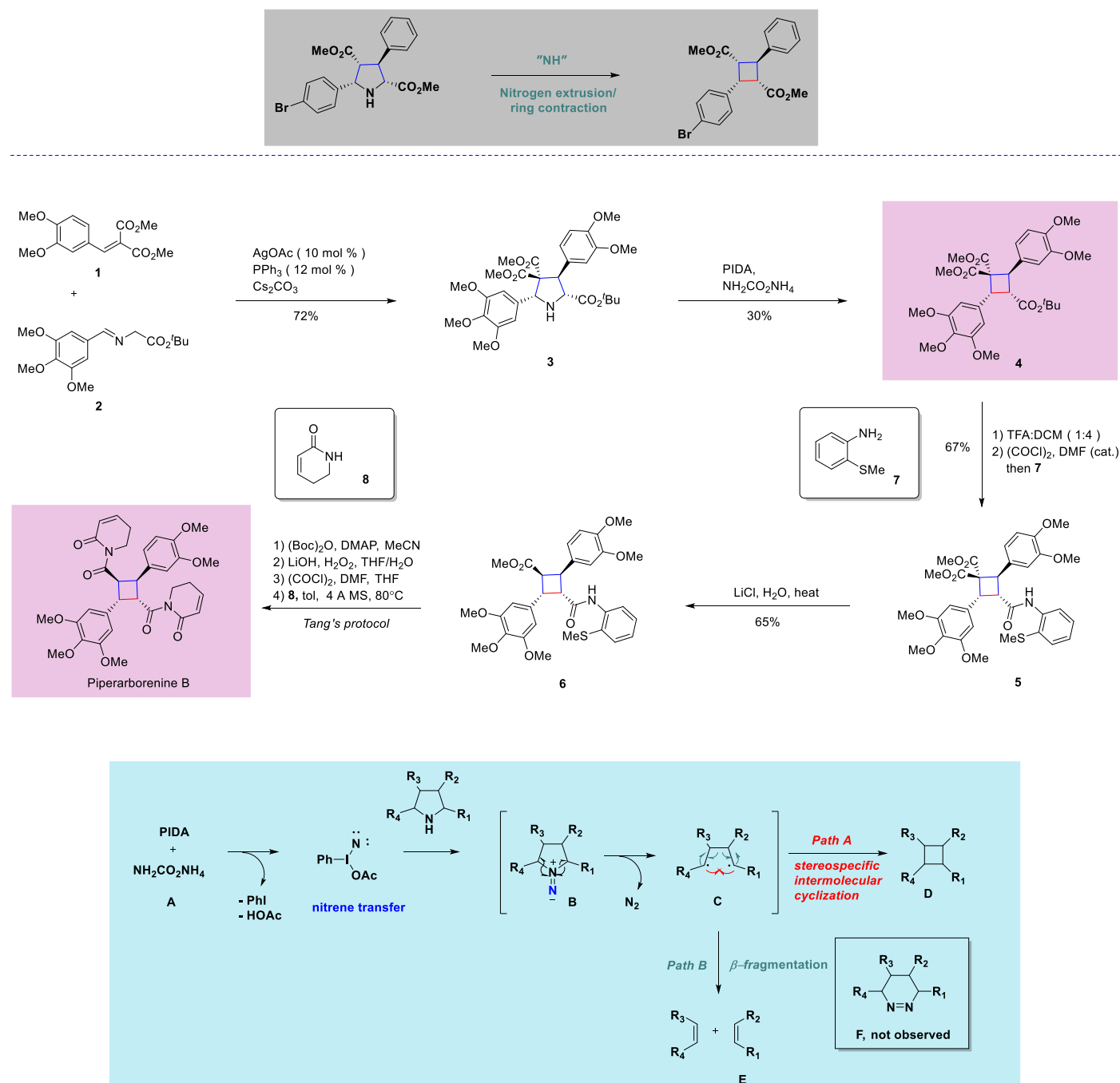




Key Steps:

- Formation of strained C-C bond
- Stereospecific
- Good functional group tolerance
- Readily accessible pyrrolidine
- Applied to natural product synthesis

Significance:

- Total synthesis of piperarborenine B.
- Developed iodonitrene chemistry could be used to access other compounds with multisubstituted cyclobutanes containing multiple stereocenters from readily accessible pyrrolidines.