Asymmetric Total Synthesis of (–)-Aspidophylline A


Asymmetric total synthesis of (–)-aspidophylline A involves a series of chemical reactions, starting with a precursor and concluding with the target compound. The process includes the use of various reagents and conditions such as Pd/C, H2, MeOH, Ru-cat, Et3N, HCO2H, DCE, BH3SMe2, THF, 2,6-lutidine, TMSOTf, PPTS, CAN, NaN3, 0 °C, Imid, TBSCl, DMF, Et3N, NsCl, DCM, and others. The synthesis involves multiple steps, each with specific conditions, to achieve the final product.