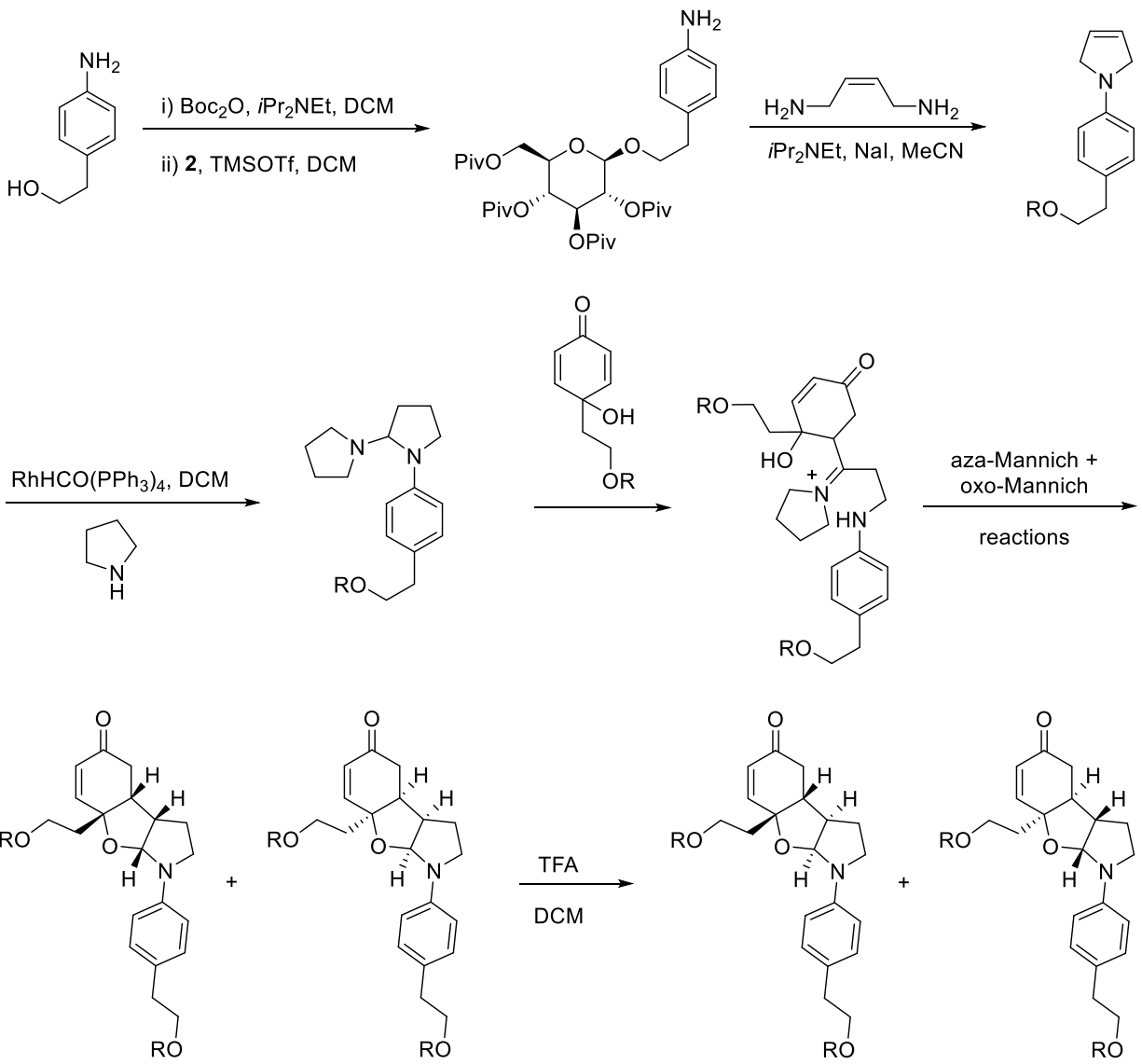


Answer key:



Under acidic conditions, the oxo-Mannich reaction becomes reversible, converting the kinetic into the thermodynamic product