



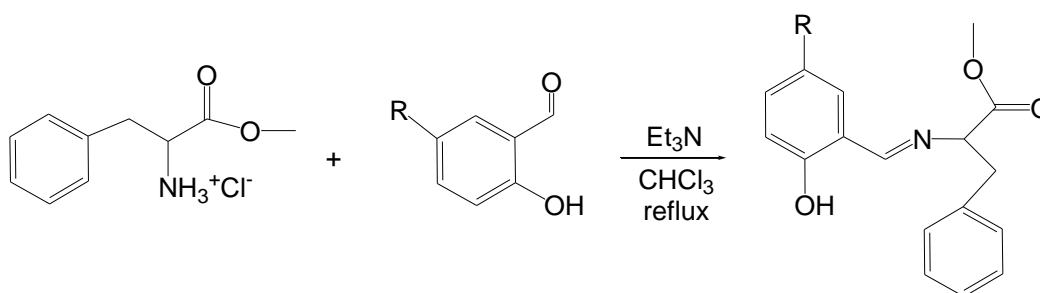
Synthesis, Characterization and Biological Activities of New Amino Acid Schiff Bases

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In this study, nine amino acid Schiff bases were prepared by refluxing some amino acids with aromatic aldehydes in chloroform and examined by various spectroscopic methods (FT-IR, UV-Vis, and NMR techniques). FT-IR and UV-Vis spectra exhibited characteristic peaks for all imine compounds. NMR spectra pointed out the imine bond which is the indicator of the formation of Schiff bases. Besides, antiproliferative and cytotoxic features of the Schiff bases were examined by using MTT cell proliferation and LDH cytotoxicity assays, respectively. The experimental studies revealed that the Schiff bases synthesized in this study have an important potential to enter drug development studies.



Formation reaction of a Schiff Base synthesized in this study