3.9. Selectivity

It is important to study the selectivity of the method to determine the capability of the analytical procedure to measure accurately and specifically in the presence of the active ingredients, placebo and another ingredient. A standard, sample, solvent and a placebo solution were injected into column according to the parameters stated under the developed method. It was found that there is no interference between the analyte and both the solvent or placebo.

3.10. Placebo effect

A placebo solution prepared based on the excipients present in a tablet without having any active-ingredients (sodium starch glynate, magnesium stearate, starch, lactose, evicel). A placebo solution was prepared by addition of 1:1:1 (water: ACN: methanol) and then analyzed in the analytical system. No peaks were detected indicating no interference between the excipients and the active ingredients would result (Fig. 3.29).

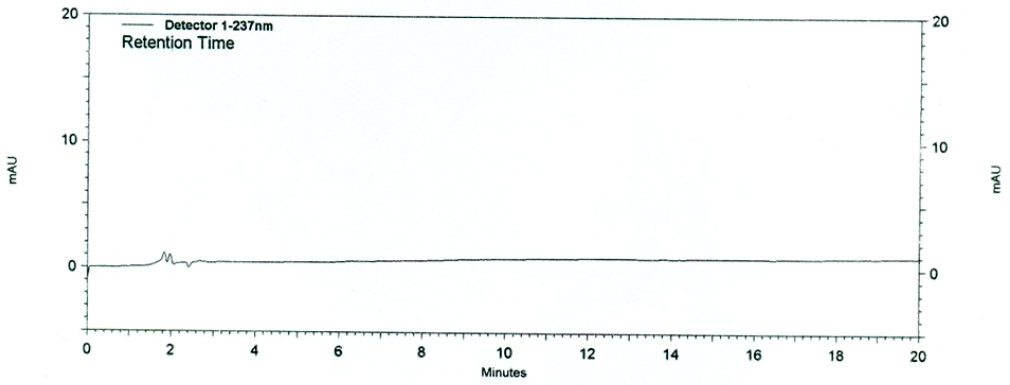

Figure 3.32. Chromatogram of placebo excipients in diluents