

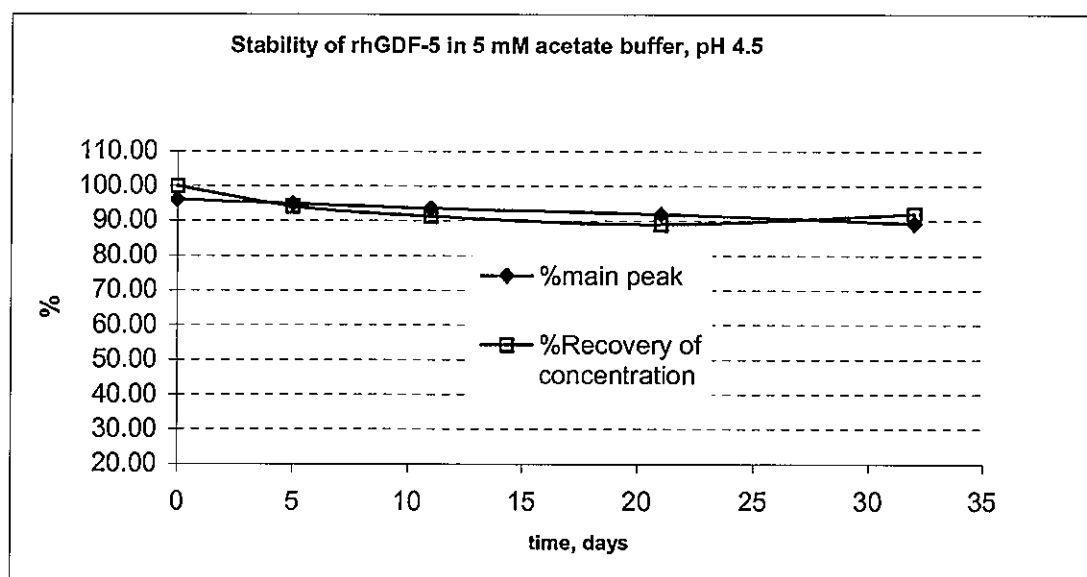
FIGURES

Figure 1. Stability of 0.1 mg/ml rhGDF-5 in 5 mM acetate buffer solution at pH 4.5 after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

2/12

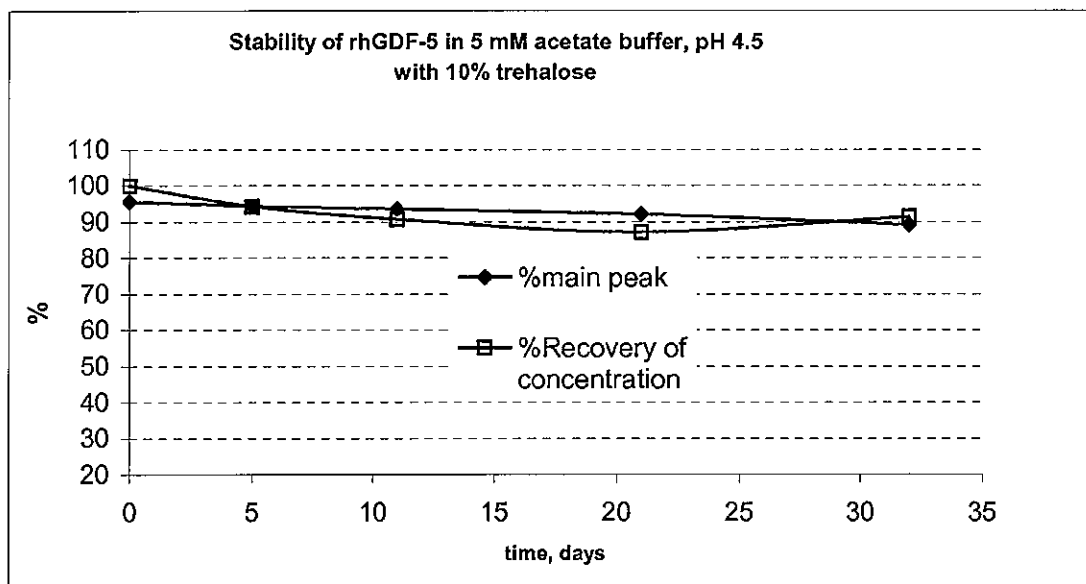


Figure 2. Stability of 0.1 mg/ml rhGDF-5 solution in 5 mM acetate buffer solution at pH 4.5 with 10% trehalose, as evidenced by HPLC.

3/12

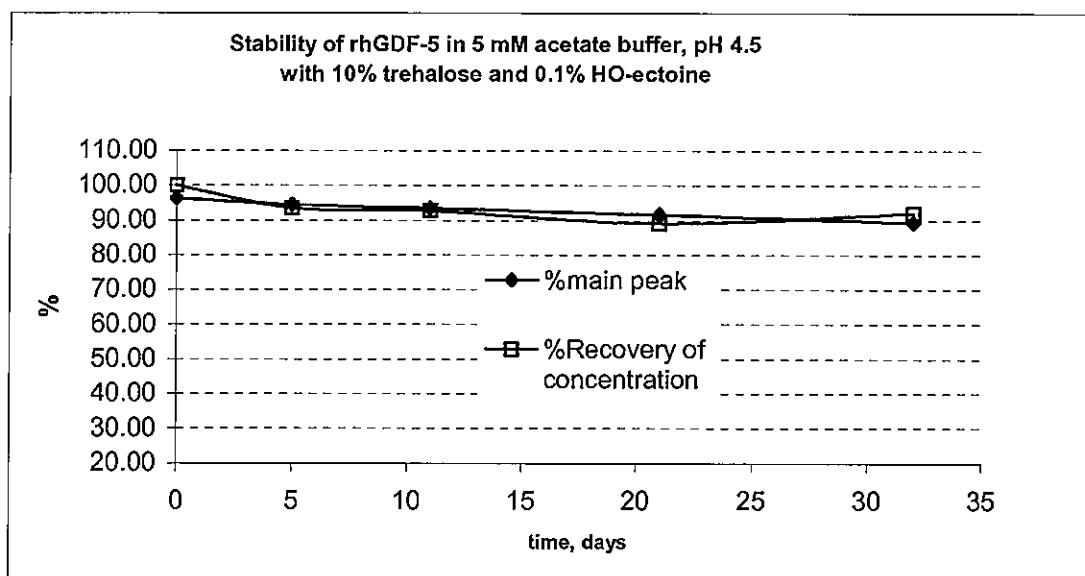


Figure 3. Stability of 0.1 mg/ml rhGDF-5 in 5 mM acetate buffer solution at pH 4.5 with 10% trehalose and 0.1% HO-ectoine after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

4/12

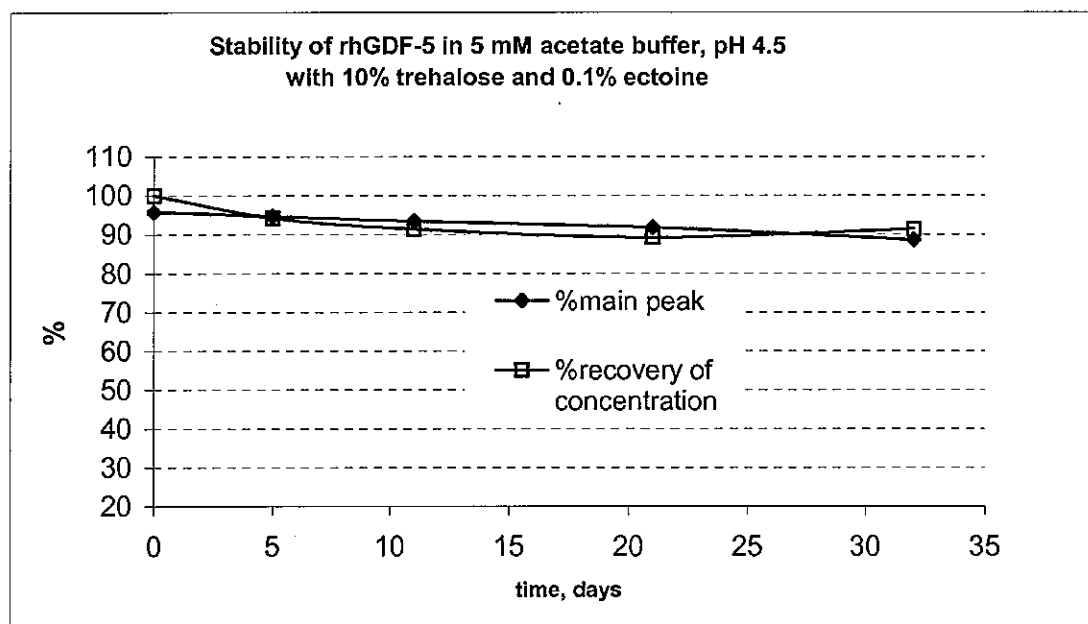


Figure 4. Stability of 0.1 mg/ml rhGDF-5 in 5 mM acetate buffer solution at pH 4.5 with 10% trehalose and 0.1% ectoine after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

5/12

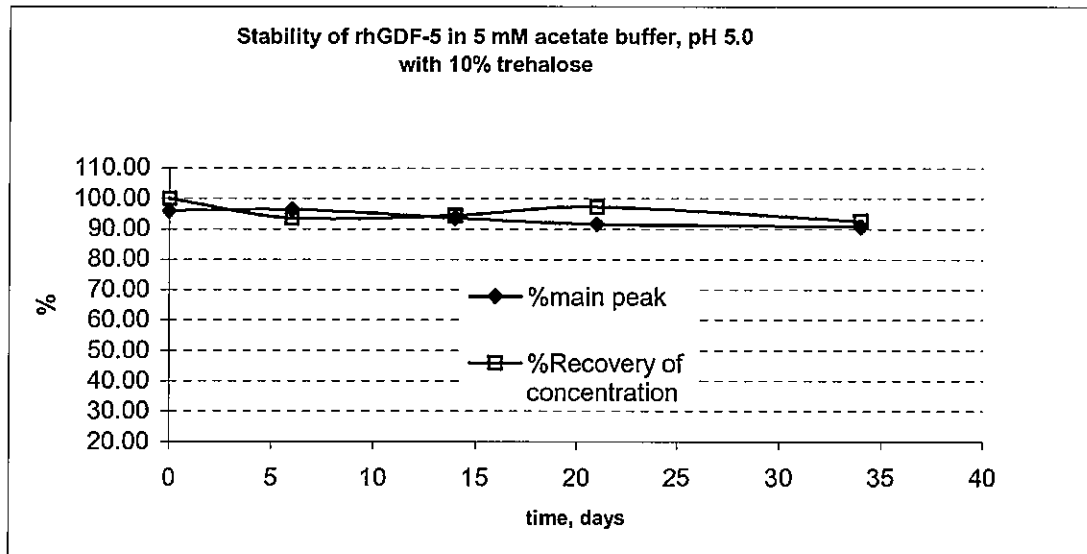


Figure 5. Stability of 0.1 mg/ml rhGDF-5 in 5 mM acetate buffer solution at pH 5.0 with 10% trehalose after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

6/12

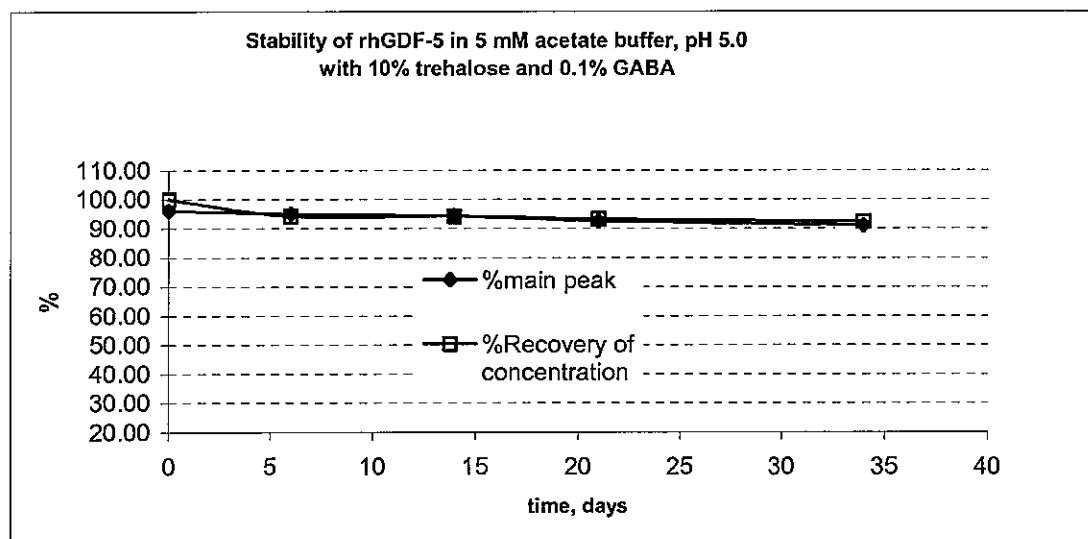


Figure 6. Stability of 0.1 mg/ml rhGDF-5 in 5 mM acetate buffer solution at pH 5.0 with 10% trehalose and 0.1% GABA after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

7/12

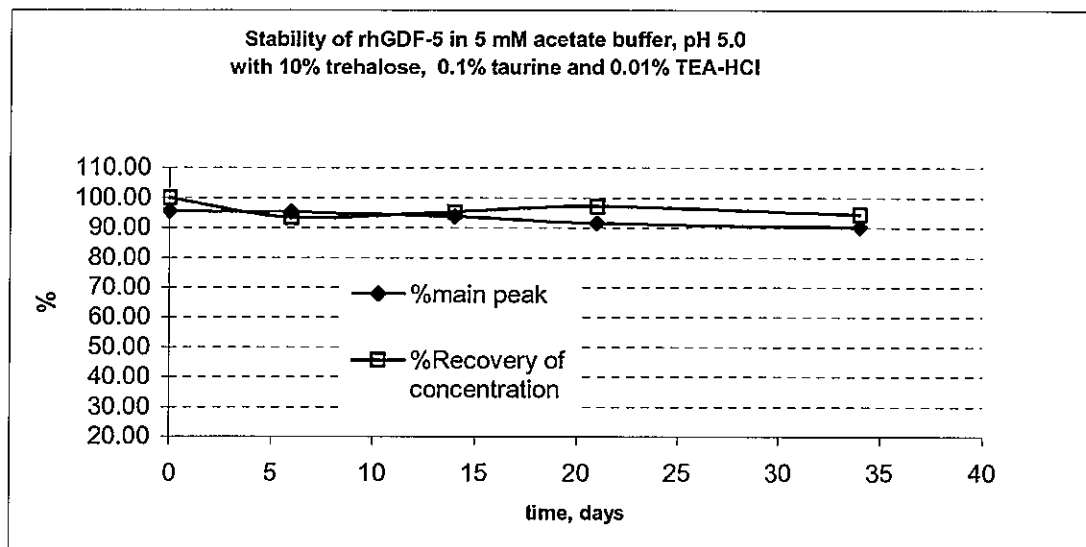


Figure 7. Stability of 0.1 mg/ml rhGDF-5 in 5 mM acetate buffer solution at pH 5.0 with 10% trehalose, 0.1% taurine and 0.01% TEA-HCl after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

8/12

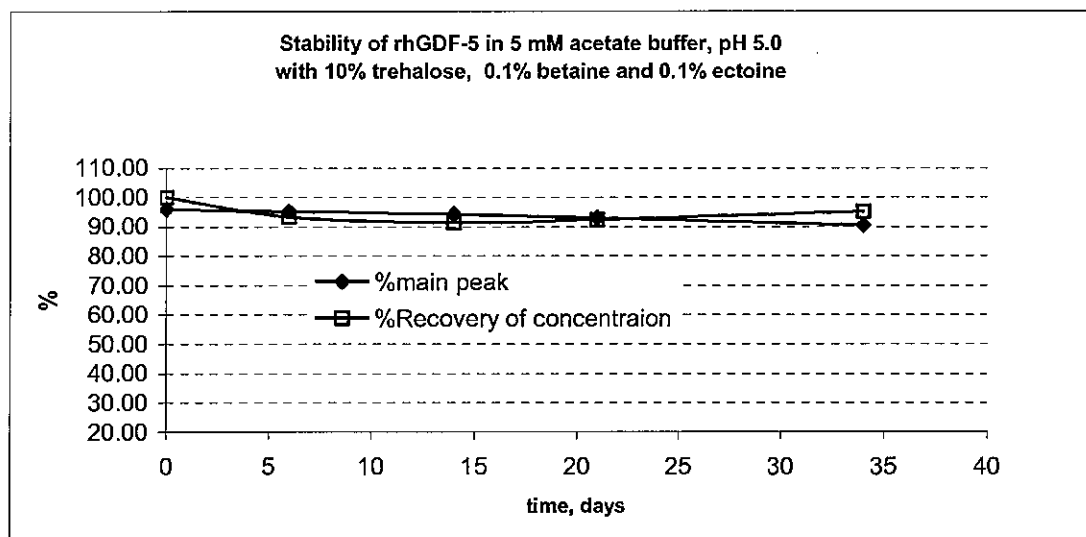


Figure 8. Stability of 0.1 mg/ml rhGDF-5 in 5 mM acetate buffer solution at pH 5.0 with 10% trehalose, 0.1% betaine and 0.1% ectoine after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

9/12

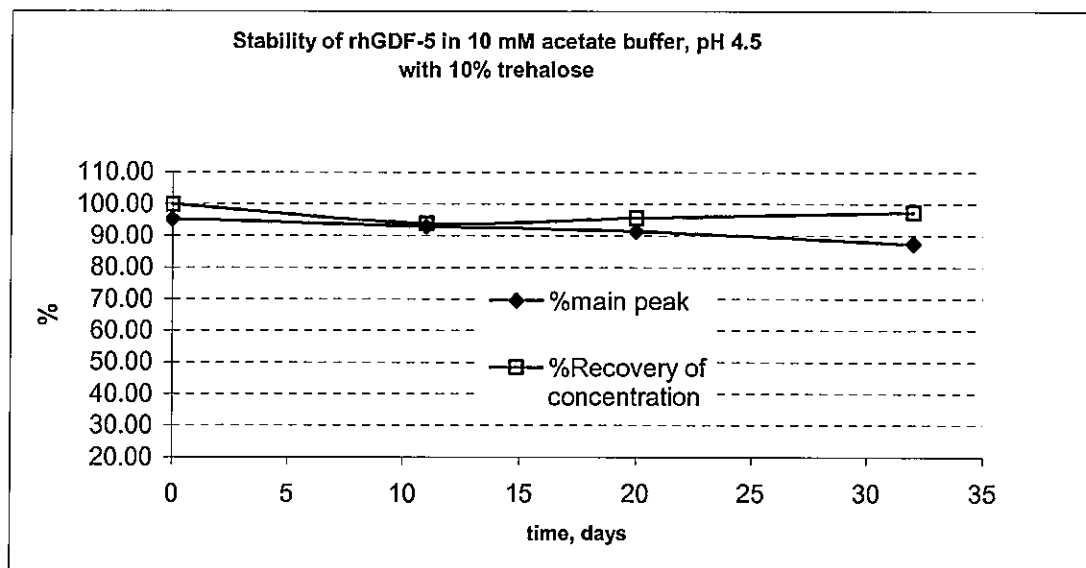


Figure 9. Stability of 0.1 mg/ml rhGDF-5 in 10 mM acetate buffer solution at pH 4.5 with 10% trehalose after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

10/12

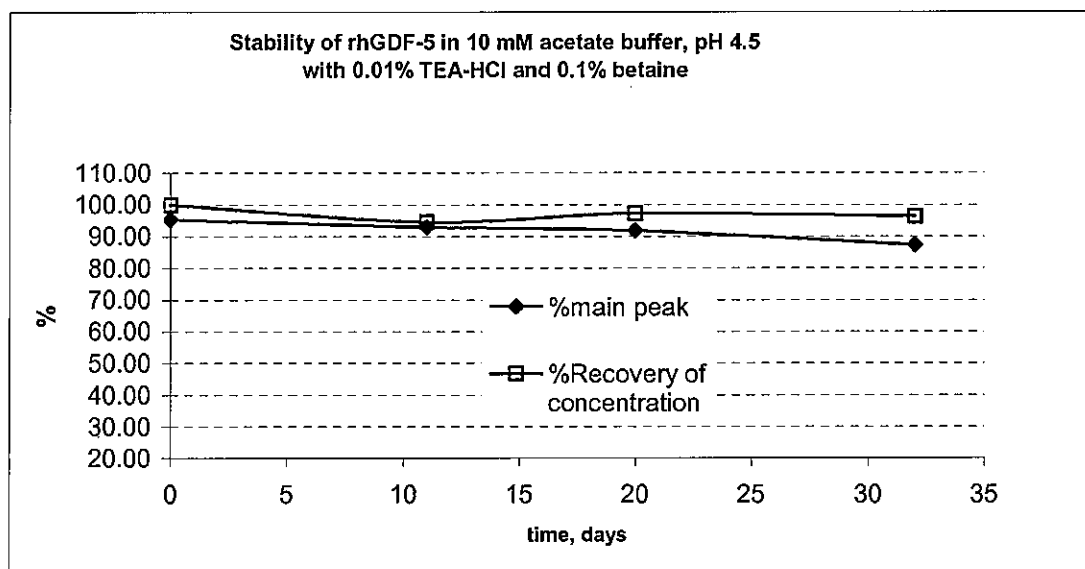


Figure 10. Stability of 0.1 mg/ml rhGDF-5 in 10 mM acetate buffer solution at pH 4.5 with 0.01% TEA-HCl and 0.1% betaine after 32 days storage at 37 degrees Celsius, as evidenced by HPLC.

11/12

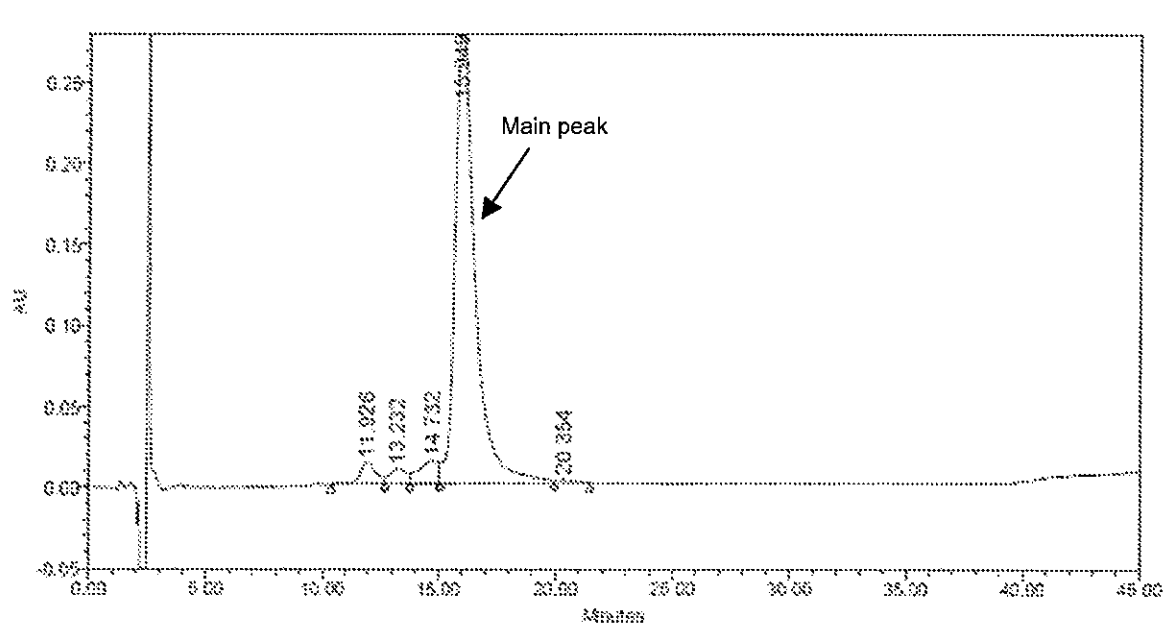


Figure 11. Stability of 0.1 mg/ml rhGDF-5 in 10 mM acetate buffer solution at pH 5 after 32 days storage at 37 degrees Celsius, as evidenced by HPLC showing 90% main peak retention and the presence of additional peaks.

12/12

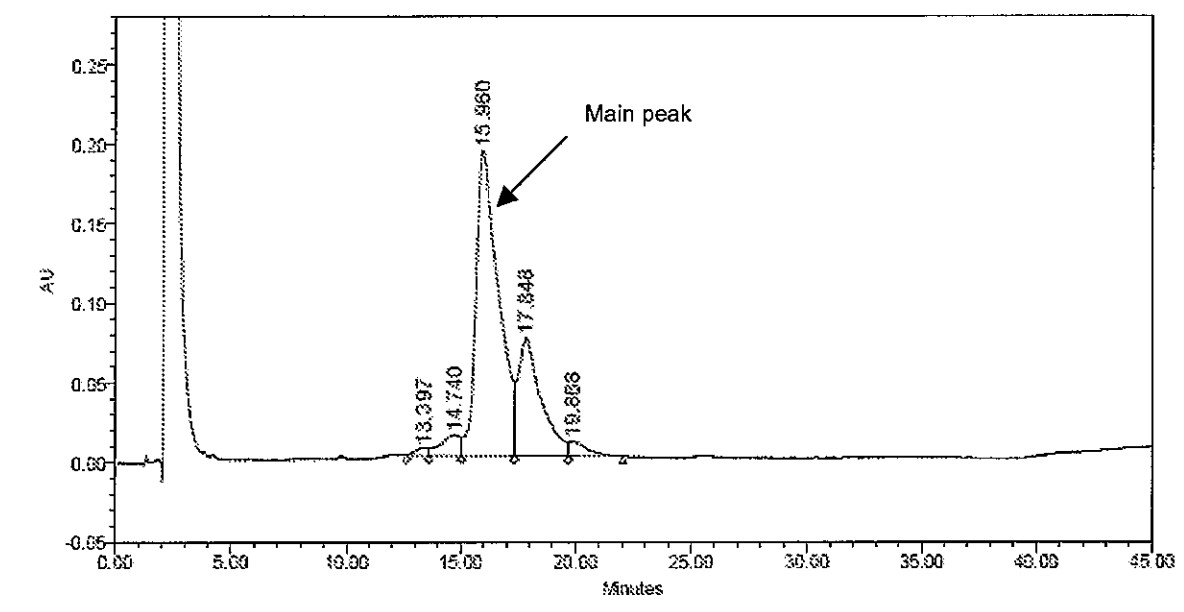


Figure 12. Degradation of 0.1 mg/ml rhGDF-5 in 5 mM maleate buffer solution at pH 4.5 with 10% trehalose after 32 days storage at 37 degrees Celsius, as evidenced by HPLC showing only 66% main peak retention and the presence of additional peaks.