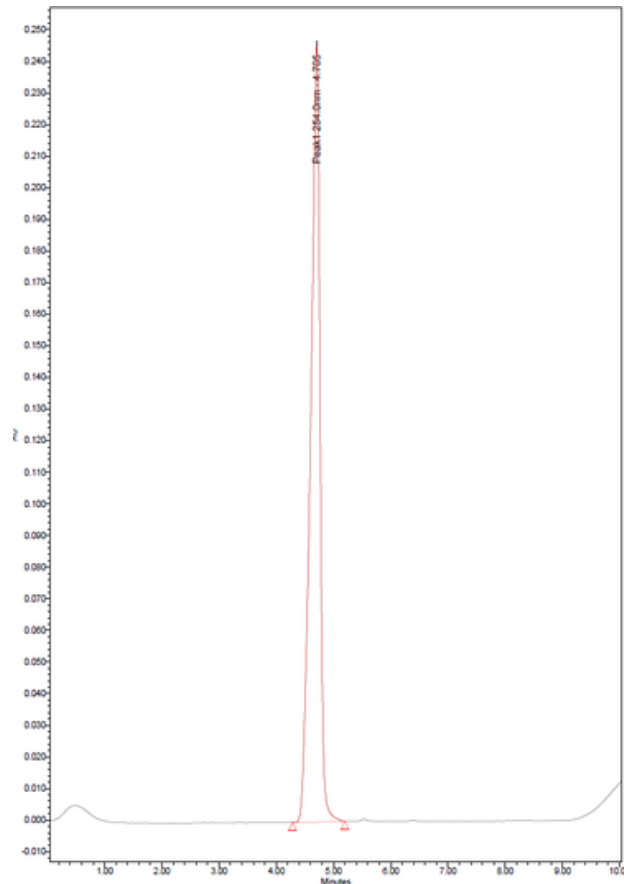


Semaglutamide

C4, 5 μ m, 250x4.6mm



Test Condition

Column: ACE C4, 5 μ m, 250x4.6mm

Part No.: ACE-123-2546

Flow Rate: 0.600 mL/min

Injection volume: 10 μ L

Detection: PDA 254 nm

Mobile Phase: ACN:Na₂H₂PO₄ : 70:30 (v/v)

Column Temperature: 40°C

Sample Temperature: 25°C

Discussion

A mixture of Phosphate buffer pH 4.0, 30.0 mL (30%) and 70.0 mL of ACN 70%) were taken and degassed in ultrasonic water bath for 5 minutes. Then this solution was filtered through 0.45 μ filter under vacuum filtration.

The chromatographic analysis detected a significant peak at 4.705 minutes, representing Semaglutamide with a tailing factor of 0.78, indicating a symmetrical peak. Theoretical plates for Semaglutamide were calculated at 3575, indicating good chromatographic efficiency

For more information, Contact us at