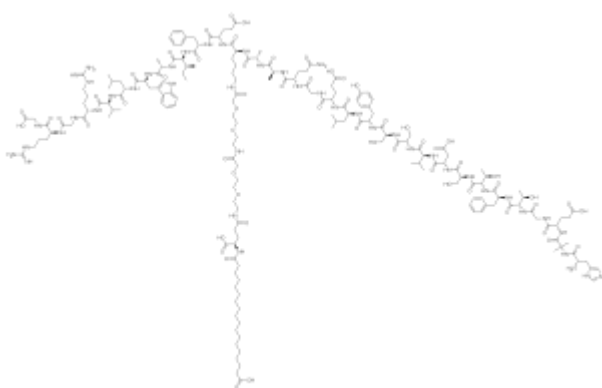
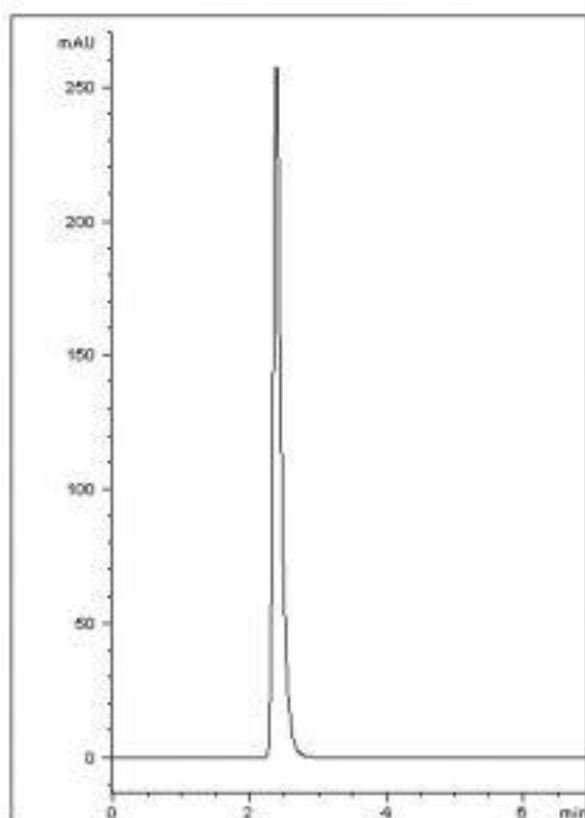


## Retention of a Polypeptide Analyzed with HPLC- AppNote

### Semaglutide, a Human Glucagon-like Peptide

This simple isocratic Method demonstrates good Retention of a Hydrophilic Peptide where Retention is increased in Aqueous conditions.



**Peak:**  
Semaglutide

### Method Conditions:

**Column:** Cogent Diamond Hydride™, 4μm, 100Å.

**Catalog No.:** 70000-75

**Dimensions:** 4.6 x 75mm

**Mobile Phase:** 60:30 DI Water with 0.1% Formic Acid / Acetonitrile.

**Injection vol.:** 1µL

**Flow rate:** 1.0mL / minute.

**Detection:** UV @ 254nm.

**Sample Preparation:** 0.01mg / mL Semaglutide in 50:50 Acetonitrile / DI Water.

*Notes: Semaglutide is a glucagon-like peptide-1 receptor agonist. It increases the production of insulin, a hormone that lowers the blood sugar level. It also appears to enhance growth of  $\beta$  cells in the pancreas, which are the sites of insulin production.*



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