

## 32-2062: Pramlintide Protein

### Description

Pramlintide Synthetic is a single, non-glycosylated polypeptide chain containing 37 amino acids, having a molecular mass of 3949.4 Dalton and a Molecular formula of C<sub>171</sub>H<sub>267</sub>N<sub>51</sub>O<sub>53</sub>S<sub>2</sub>. Pramlintide acetate is a hormone that is released into the bloodstream, in a similar pattern as insulin. Pramlintide aids in the absorption of glucose by slowing gastric emptying, promoting satiety, and inhibiting inappropriate secretion of glucagon, a catabolic hormone that opposes the effects of insulin.

### Product Info

<b>Amount :</b>	5 mg
<b>Purification :</b>	Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	The protein was lyophilized with no additives.
<b>Storage condition :</b>	Lyophilized Pramlintide although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Pramlintide should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	KCNTATCATNRLANFLVHSSNFGPILPPTNVGSNTY-NH <sub>2</sub> .

### Application Note

It is recommended to reconstitute the lyophilized Pramlintide in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions. The Pramlintide is also soluble in 1% Acetic Acid.

