



# Chengdu KaiJie Biopharm Co., Ltd.

Segment 1, Industrial Road, Dayi county, Chengdu, Sichuan, P. R. China, 611330

Tel: 86-28-88208155, Fax: 86-28-88203632 WEB: [www.kjpep.com](http://www.kjpep.com)

## About Author

Chengdu Kaijie Biopharm Co, Ltd. (KJBP) is one of leading peptide manufacturers in Asia. With its highest capacity of production in China and the outstanding quality of peptide products, Kaijie holds a unique position.

## Secretin

### Structure

Secretin is a linear peptide hormone, which is composed of 27 amino acids and has a molecular weight of 3055. A helix is formed in the amino acids between positions 5 and 13. The amino acids sequences of secretin have some similarities to that of glucagon, vasoactive intestinal peptide (VIP), and gastric inhibitory peptide (GIP). Fourteen of 27 amino acids of secretin reside in the same positions as in glucagon, 7 the same as in VIP, and 10 the same as in GIP.

Secretin also has an amidated carboxyl-terminal amino acid which is valine The sequence of amino acids in secretin is:

- $\text{HO}_2\text{C-His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Asp-Ser-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-Val-NH}_2$ .

### 1. US Trade Name: Secreflo

### 2. How Supplied

#### 2.1. SecreFlo

Intravenous Powder for Solution: 16 MCG

### 3. Adult Dosing

Disorder of pancreas; Diagnosis: 0.2 mcg/kg IV slowly over 1 minute

Gastrinoma; Diagnosis: 0.4 mcg/kg IV slowly over 1 minute

Pancreatogram; Adjunct: 0.2 mcg/kg IV slowly over 1 minute

### 4. Pediatric Dosing

Safety and efficacy have not been established in children

### 5. Mechanism of Action





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Secretin is a peptide hormone with amino acid sequence similar to the naturally occurring porcine secretin. Its main action is to increase the secretion of pancreatic juice by stimulating the exocrine pancreas. It also elevates the bicarbonate content of secreted pancreatic juices .

### 6. Adverse Effects

**Cardiovascular:** Bradyarrhythmia (Mild), Hypotension, Lightheadedness

**Dermatologic:** Diaphoresis, Flushing

**Gastrointestinal:** Abdominal discomfort, Diarrhea, Nausea, Stomach cramps, Vomiting

**Neurologic:** Headache

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