



# Chengdu KaiJie Biopharm Co., Ltd.

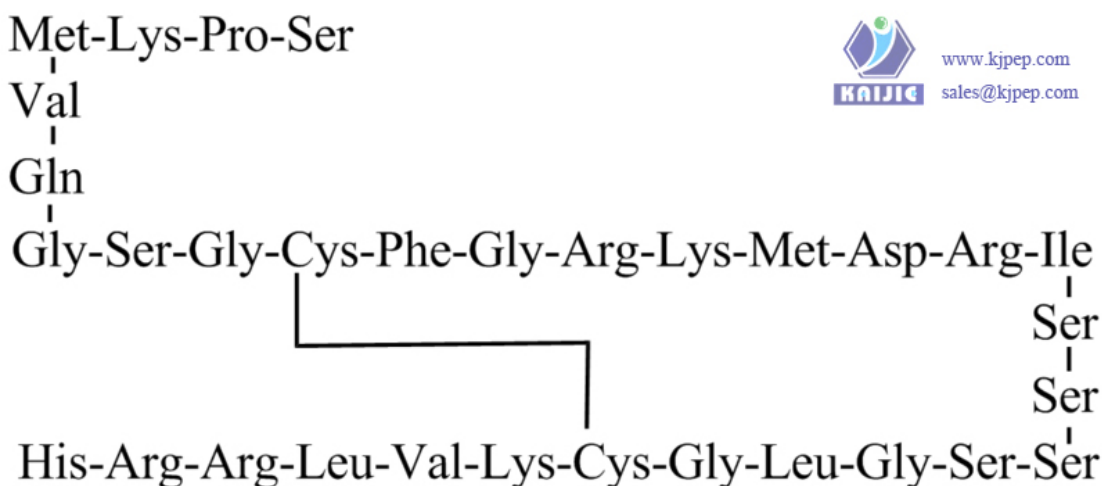
Segment 1, Industrial Road, Dayi county, Chengdu, Sichuan, P. R. China, 611330

Tel: 86-28-88203603, Fax: 86-28-88203605 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.

## Nesiritide



### 1. US Trade Names Natrecor

### 2. How Supplied

#### 2.1. Natrecor:

Intravenous Powder for Solution: 1.5 MG

### 3. Adult Dosing

Congestive heart failure, Acutely decompensated: 2 mcg/kg IV bolus followed by 0.01 mcg/kg/min continuous IV infusion

Congestive heart failure, Acutely decompensated: titration, may increase by 0.005 mcg/kg/min (after a bolus of 1 mcg/kg IV) no more frequently than every 3 hr up to a MAX dose of 0.03 mcg/kg/min

### 4. Pediatric Dosing

Safety and effectiveness not established in children

### 5. Dose Adjustments

Renal impairment: no dosage adjustment required



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Symptomatic hypotension: reduce or discontinue dose; after the patient is stabilized, may restart nesiritide at 70% of dose (without bolus)

### 6. Mechanism of Action

Systemic: Human BNP increases intracellular concentrations of guanosine 3'5'-cyclic monophosphate (cGMP) and smooth muscle cell relaxation by binding to the particulate guanylate cyclase receptor of vascular smooth muscle and endothelial cells. Cyclic GMP serves as a second messenger to dilate veins and arteries. In human studies in patients with heart failure, nesiritide has been shown to reduce pulmonary capillary wedge pressure (in a dose-dependent manner) and systemic arterial pressure.

### 7. Adverse Effects

**Cardiovascular:** Hypotension (11%-35%), Lightheadedness

**Dermatologic:** Pruritus, Facial

**Gastrointestinal:** Nausea (4%)

**Neurologic:** Confusion (1%), Headache (8%), Paresthesia (1%), Somnolence (1%), Tremor (1%)