

CPF-7

## Chemical Properties

CAS No. : 103238-06-8

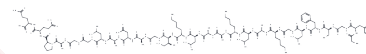
Formula: C118H193N33O32

Molecular Weight: 2586

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CPF-7 (Caerulein precursor fragment), an insulintropic peptide, promotes insulin secretion and drives epithelial-mesenchymal transition via Snai1 upregulation in PANC-1 ductal cells. Moreover, it induces exocrine plasticity through Ngn3 upregulation, with applications in type 2 diabetes research [1] [2].
Targets(IC50)	IGF-1R
In vitro	CPF-7 (50 nM; 7 days) induces transdifferentiation of PANC-1 exocrine cells into pancreatic endocrine progenitor cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3867 mL	1.9335 mL	3.867 mL
5 mM	0.0773 mL	0.3867 mL	0.7734 mL
10 mM	0.0387 mL	0.1933 mL	0.3867 mL
50 mM	0.0077 mL	0.0387 mL	0.0773 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481