

## Elamipretide

(Synonyms: MTP-131, RX-31, SS-31, 化合物 Elamipretide)

## Chemical Properties

CAT.NO. ME992215  
 Specification: 50mg  
 Purity 98.53%  
 CASNo.: 736992-21-5  
 Formula: C<sub>32</sub>H<sub>49</sub>N<sub>9</sub>O<sub>5</sub>  
 Molecular Weight: 639.79  
 Appearance: N/A  
 Storage: 0-4°C for short term (day to weeks), or -20°C for long term (months).  
 target activity: Cardiolipin peroxidase

## Biological Description

Description	Elamipretide (SS-31, MTP-131, Bendavia) is a small mitochondrially-targeted tetrapeptide (D-Arg-dimethylTyr-Lys-Phe-NH <sub>2</sub> ) that appears to reduce the production of toxic reactive oxygen species and stabilize cardiolipin.
Targets (IC <sub>50</sub> )	Cardiolipin peroxidase: None

## Solubility Information

Solubility	DMSO: 29 mg/mL (45.33 mM) ddH <sub>2</sub> O: 100 mg/mL (156.30 mM) (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.563 mL	7.815 mL	15.63 mL
5 mM	0.313 mL	1.563 mL	3.126 mL
10 mM	0.156 mL	0.782 mL	1.563 mL
50 mM	0.031 mL	0.156 mL	0.313 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

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