

Product Name : Elamipretide

Synonyms : SS-31;MTP-131;Bendavia

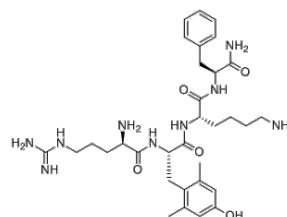
Cat No. : M15818

CAS Number : 736992-21-5

Molecular Formula : C32H49N9O5

Formula Weight : 639.80

Chemical Name : (S)-6-amino-N-((S)-1-amino-1-oxo-3-phenylpropan-2-yl)-2-((S)-2-((R)-2-amino-5-guanidinopentanamido)-3-(4-hydroxy-2,6-dimethylphenyl)propanamido)hexanamide



Description : Elamipretide (SS-31, MTP-131, Bendavia) is a novel cell-permeable antioxidant tetrapeptide (D-Arg-dimethylTyr-Lys-Phe-NH₂) that targets inner mitochondrial membrane and prevents oxidative damage of neuronal cells and other cell types; prevents mitochondrial depolarization, reduces islet cell apoptosis, increases islet cell yield, and improves posttransplantation function. Other Indication Phase 3 Clinical

Pathway : Others

Target : Other Targets

Receptor : Other Targets

Solubility : —

SMILES : O=C(N)[C@H](CC1=CC=CC=C1)NC([C@H](CCCCN)NC([C@H](CC2=C(C)C=C(O)C=C2C)NC([C@@H](CCCNC(N)=N)N)=O)=O)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Thomas DA, et al. J Am Soc Nephrol. 2007 Jan;18(1):213-22. 2. Zhao K, et al. Biochem Pharmacol. 2005 Dec 5;70(12):1796-806. 3. Mizuguchi Y, et al. Am J Physiol Renal Physiol. 2008 Nov;295(5):F1545-53.