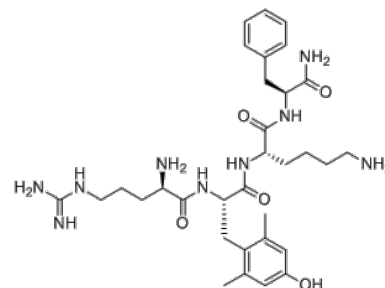


**Product Name** : Elamipretide  
**Cat. No.** : PC-61855  
**CAS No.** : 736992-21-5  
**Molecular Formula** : C<sub>32</sub>H<sub>49</sub>N<sub>9</sub>O<sub>5</sub>  
**Molecular Weight** : 639.802  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Elamipretide (SS-31, MTP-131, Bendavia) is a novel cell-permeable antioxidant tetrapeptide (D-Arg-dimethylTyr-Lys-Phe-NH<sub>2</sub>) that targets inner mitochondrial membrane and prevents oxidative damage of neuronal cells and other cell types. Elamipretide prevents mitochondrial depolarization, reduces islet cell apoptosis, increases islet cell yield, and improves posttransplantation function.

## References

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

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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