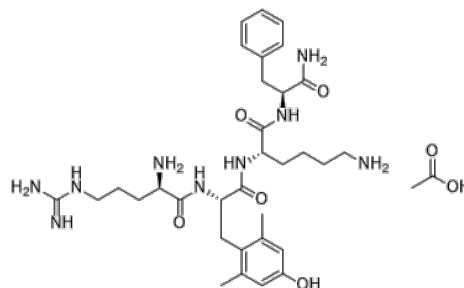


Product Name : Elamipretide acetate
Cat. No. : PC-27242
CAS No. : 1334953-95-5
Molecular Formula : C₃₄H₅₃N₉O₇
Molecular Weight : 699.85
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Elamipretide acetate (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.

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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