

Product Name	: Elamipretide 2TFA
Synonyms	: SS-31,MTP-131,Bendavia
Cat No.	: M22969
CAS Number	: 1334953-96-6
Molecular Formula	: C36H51F6N9O9
Formula Weight	: 867.84
Chemical Name	: —
Description	<p>Elamipretide is a novel mitochondrion-targeted antioxidant. Treatment with elamipretide significantly ameliorated LPS-induced learning and memory impairment during behavioral tests. Notably, elamipretide not only provided protective effects against mitochondrial dysfunction and oxidative stress but also facilitated the regulation of brain-derived neurotrophic factor (BDNF) signaling, including the reversal of important synaptic-signaling proteins and increased synaptic structural complexity.</p>
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: —
SMILES	<chem>O=C(N)[C@H](CC1=CC=CC=C1)NC([C@@H](CCCCN)NC([C@@H](CC2=C(C)C=C(O)C=C2)NC([C@@H](CCCNC(N)=N)N)=O)=O.O=C(O)C(F)(F)F.O=C(O)C(F)(F)F</chem>
Storage	: (-20℃)
Stability	: ≥ 2 years
Reference	:

1. Zhao W , Xu Z , Cao J , et al. Elamipretide (SS-31) Improves Mitochondrial Dysfunction, Synaptic and Memory Impairment Induced by Lipopolysaccharide in Mice[J]. SSRN Electronic Journal, 2019.