SS-31

What is SS-31?

SS-31 is a class of cell-permeable small peptides, which selectively resides on the inner mitochondrial membrane and possesses intrinsic mitochondrial protective capacities. Specifically, SS-31 (also known as MTP-131) is a water-soluble mitochondria-targeting peptide that attenuates mitochondrial reactive oxygen species production and cytochrome c release. This peptide has been shown to reverse decline in diabetes, attenuate transverse aortic constriction-induced pulmonary arterial hypertension and heart failure, and rapidly rejuvenates oxidative phosphorylation in aged mice.

Why would I want to use SS-31?

SS-31 is a novel mitochondrial-target therapy peptide that crosses the blood brain barrier (BBB) and targets the inner mitochondrial membrane (IMM). Mitochondria play a vital role in cellular metabolism. Because of their widespread effects on cellular functions, mitochondrial dysfunction is implicated in a wide range of diseases. Mitochondrial dysfunction results in less ATP production and insufficient energy to maintain cell function, which is followed by cell injury and even cell death.

Indications:

- More energy
- Improves healthspan and lifespan
- Fat loss
- Greater resistance to metabolic stress

What You Need to Know:

Mitochondrial disease can greatly impact one's health by negatively affecting almost any part of the body. Health concerns with mitochondrial disease include fatigue, diabetes mellitus, impairment of hearing and vision, weakness, metabolic strokes, seizures, cardiomyopathy, arrhythmias, developmental or cognitive disabilities, liver, gastrointestinal disorders, liver and kidney disease, and re. Many of these conditions can lead to secondary mitochondrial dysfunction and affect other diseases,



Are there any side effects?

There are no reported side effects of SS-31.