

SHLP-3

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	SHLP-3, a mitochondrial-derived peptide encoded by the 16S ribosomal RNA gene (MT-RNR2), enhances cellular vitality and reduces cell death (apoptosis) in NIT-1 β insulinoma cells and 22Rv1 human prostate cancer cells. This peptide boosts mitochondrial function by increasing mitochondrial oxygen consumption rate (OCR), cellular ATP, and reducing the capacity to produce ROS, thereby providing cellular protection. SHLP-3 is utilized in research on diabetes and cancer.
Targets(IC50)	Apoptosis, Reactive Oxygen Species

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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