

Discovery of AI-Driven Mitochondrial Inner Membrane-Stabilizing Lead Peptides and Their Development as MASH Therapeutics

Sungkyunkwan University



METABOLIC	Lead
Product Type	rProtein
Indication	Metabolic dysfunction-associated steatohepatitis (MASH)
Target	Mitochondria and cardiolipin (CL)
MoA(Mechanism of Action)	Peptide binds to CL and restore cristae of the inner mitochondrial membrane
Competitiveness	• High CL affinity: Exhibits a 300-fold higher binding affinity compared to the first-in-class drug, SS-31. • Mitochondrial protection: Preserves cristae structure and overall organelle morphology.
Development Stage	Lead
Route of Administration	S.C. and I.V.

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