

TAT-P110

Cat. No.:	HY-P2280
Molecular Formula:	C ₁₀₀ H ₁₇₈ N ₄₄ O ₂₆
Molecular Weight:	2412.76
Sequence:	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Gly-Gly-Asp-Leu-Leu-Pro-Arg-Gly-Ser
Sequence Shortening:	YGRKKRRQRRRGDLLPRGS
Target:	Dynamin
Pathway:	Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	TAT-P110, a peptide inhibitor of Drp1-Fis1 interaction, reduces pathology in numerous models of neurodegeneration, ischemia, and sepsis without blocking the physiological functions of Drp1 ^[1] .
In Vitro	TAT-P110 completely prevents the LPS-induced decline in cells with fused mitochondria; the percent of cells with fused mitochondria was 37% (LPS + P110), 36% (LPS + SC9), and 38% (no LPS) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Luis Rios, et al. Targeting an allosteric site in dynamin-related protein 1 to inhibit Fis1-mediated mitochondrial dysfunction. Nat Commun. 2023 Jul 19;14(1):4356.

Caution: Product has not been fully validated for medical applications. For research use only.

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