

TAT-SAM β

Cat. No.:	HY-P5891
Molecular Formula:	C ₁₁₈ H ₁₉₅ N ₅₁ O ₃₁
Molecular Weight:	2824.13
Sequence:	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Gly-Gly-Arg-Asn-Ala-Glu-Asn-Phe-Asp-Arg-Phe
Sequence Shortening:	YGRKKRRQRRRGGRNAENFDRF
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	TAT-SAM β is the peptide consist of RNAENFDRF (SAM β ; HY-P3429) conjugated to the cell penetrating TAT protein-derived peptide TAT ₄₇₋₅₇ . TAT-SAM β is a selective antagonist of Mfn1- β IIPKC association. TAT-SAM β protects mouse embryonic fibroblast cells (MEFs) against oxidative stress-induced cytotoxicity ^[1] .
IC ₅₀ & Target	Mfn1- β IIPKC association ^[1]

REFERENCES

[1]. Ferreira JCB, et al. A selective inhibitor of mitofusin 1- β IIPKC association improves heart failure outcome in rats. Nat Commun. 2019 Jan 18;10(1):329.

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

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