

Tat-beclin 1 scrambled TFA

Cat. No.:	HY-P2260C
Molecular Formula:	C ₁₆₄ H ₂₅₁ N ₅₇ O ₄₅
Molecular Weight:	3855.12
Sequence:	Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Gly-Gly-Val-Gly-Asn-Asp-Phe-Phe-Ile-Asn -His-Glu-Thr-Thr-Gly-Phe-Ala-Thr-Glu-Trp YGRKKRRQRRRGGVGNDFFINHETTGFATEW (TFA salt)
Sequence Shortening:	YGRKKRRQRRRGGVGNDFFINHETTGFATEW
Target:	HIV
Pathway:	Anti-infection
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 25 mg/mL (6.48 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.2594 mL	1.2970 mL	2.5940 mL
	5 mM	0.0519 mL	0.2594 mL	0.5188 mL
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Tat-beclin 1 scrambled TFA is the scrambled part and a scrambled control of Tat-beclin 1 (HY-P2260), which is derived from a region of the autophagy protein, beclin 1. beclin 1 induces autophagy via binding human immunodeficiency virus, HIV-1 Nef and interacting with negative regulator GAPR-1 (GLIPR2). Tat-beclin 1 decreases the accumulation of polyglutamine expansion protein aggregates and the replication of several pathogens, such as HIV-1. Tat-beclin 1 also reduces mortality in mice infected with chikungunya or West Nile virus^[1].

REFERENCES

[1]. Shoji-Kawata S, et al. Identification of a candidate therapeutic autophagy-inducing peptide. Nature. 2013 Feb 14;494(7436):201-6.

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

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