RVG TFA

Cat. No.: HY-P5623B

Molecular Formula: $C_{141}H_{217}N_{43}O_{43}S_2.xC_2HF_3O_2$

Sequence: Tyr-Thr-Ile-Trp-Met-Pro-Glu-Asn-Pro-Arg-Pro-Gly-Thr-Pro-Cys-Asp-Ile-Phe-Thr-Asn-Ser-Arg-Gly-Lys-Arg-Ala-Ser-Asn-Gly

YTIWMPENPRPGTPCDIFTNSRGKRASNG (TFA)

Sequence Shortening: YTIWMPENPRPGTPCDIFTNSRGKRASNG

Target: Bacterial

Pathway: Anti-infection

Storage: Sealed storage, away from moisture and light

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)

SOLVENT & SOLUBILITY

In Vitro

H_2O : ≥ 100 mg/mL

* "≥" means soluble, but saturation unknown.

BIOLOGICAL ACTIVITY

Description

RVG TFA is a peptide derived from Rabies Virus Glycoprotein that binds to the α-7 subunit of nicotinic acetylcholine receptors (AchR) of neuronal cells. RVG enhances delivery of Mycobacterium tuberculosis antigens to antigen-presenting cells[1].

REFERENCES

[1]. Omar Garnica, et al. Enhanced delivery of Mycobacterium tuberculosis antigens to antigen presenting cells using RVG peptide. Tuberculosis (Edinb). 2019 May:116S:S34-S41.

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