

## RVG

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Cat. No.:	HY-P5623
CAS No.:	115136-25-9
Molecular Formula:	C <sub>141</sub> H <sub>217</sub> N <sub>43</sub> O <sub>43</sub> S <sub>2</sub>
Molecular Weight:	3266.62
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
Sequence Shortening:	YTIWMPENPRPGTPCDIFTNSRGKRASNG
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## BIOLOGICAL ACTIVITY

### Description

RVG (RVG29) is a peptide derived from Rabies Virus Glycoprotein that binds to the  $\alpha$ -7 subunit of nicotinic acetylcholine receptors (AChR) of neuronal cells. RVG enhances delivery of Mycobacterium tuberculosis antigens to antigen-presenting cells<sup>[1]</sup>.

## 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.

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

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