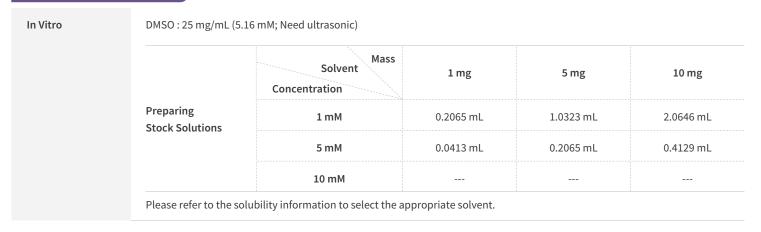


Product Data Sheet

Chimeric Rabies Virus Glycoprotein Fragment (RVG-9R)

Cat. No.:	HY-P4086
CAS No.:	1678417-57-6
Molecular Formula:	C ₂₀₁ H ₃₃₄ N ₈₂ O ₅₅ S ₂
Molecular Weight:	4843.45 YTIWMPENPRPGTPCDIFTNSRGKRASNGGGGRRRRRRRR
Sequence:	Tyr-Thr-Ile-Trp-Met-Pro-Glu-Asn-Pro-Arg-Pro-Gly-Thr-Pro-Cys-Asp-Ile-Phe-Thr-Asn-Se r-Arg-Gly-Lys-Arg-Ala-Ser-Asn-Gly-Gly-Gly-Gly-Arg-Arg-Arg-Arg-Arg-Arg-Arg-Arg-Arg
Sequence Shortening:	YTIWMPENPRPGTPCDIFTNSRGKRASNGGGGRRRRRRRRR
Target:	RABV
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



BIOLOGICAL ACTIVITY

Description Chimeric Rabies Virus Glycoprotein Fragment (RVG-9R), a chimeric peptide consisting of 29 amino acids, is synthesized by adding nona-arginine motif to the carboxy terminus of RVG (rabies virus glycoprotein). Chimeric Rabies Virus Glycoprotein Fragment (RVG-9R) is positively charged and able to bind negatively charged nucleic acids via charge interaction^{[1][2]}.

REFERENCES

[1]. Rassu G, et al. Nose-to-brain delivery of BACE1 siRNA loaded in solid lipid nanoparticles for Alzheimer's therapy. Colloids Surf B Biointerfaces. 2017 Apr 1;152:296-301.

[2]. Margus H, et al. Cell-penetrating peptides as versatile vehicles for oligonucleotide delivery. Mol Ther. 2012 Mar;20(3):525-33.

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

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