

Pep-1 (uncapped)

Cat. No.:	HY-P1848		
CAS No.:	395069-86-0		
Molecular Formula:	C ₁₃₆ H ₁₉₅ N ₃₅ O ₃₃		
Molecular Weight:	2848.22		
Sequence:	Lys-Glu-Thr-Trp-Trp-Glu-Thr-Trp-Trp-Thr-Glu-Trp-Ser-Gln-Pro-Lys-Lys-Lys-Arg-Lys-Va l KETWWETWWTEWSQPKKKRKV		
Sequence Shortening:	KETWWETWWTEWSQPKKKRKV		
Target:	Others		
Pathway:	Others		
Storage:	Sealed storage, away from moisture		
	Powder	-80°C	2 years
		-20°C	1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)		

SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (35.11 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.3511 mL	1.7555 mL	3.5110 mL
	5 mM	0.0702 mL	0.3511 mL	0.7022 mL
	10 mM	0.0351 mL	0.1755 mL	0.3511 mL

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

BIOLOGICAL ACTIVITY

Description

Pep-1 (uncapped) is a cell-penetrating peptide.

REFERENCES

[1]. Almarwani B, et al. Vesicles mimicking normal and cancer cell membranes exhibit differential responses to the cell-penetrating peptide Pep-1. *Biochim Biophys Acta Biomembr.* 2018 Jun;1860(6):1394-1402.

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

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