

MPG peptides, Pβ

Cat. No.:	HY-P4076	
CAS No.:	791642-10-9	
Molecular Formula:	C ₁₂₉ H ₂₀₈ N ₃₆ O ₃₂ S	
Molecular Weight:	2807.32	GALFLGFLGAAGSTMGAWSQPKKKRKV
Sequence:	Gly-Ala-Leu-Phe-Leu-Gly-Phe-Leu-Gly-Ala-Ala-Gly-Ser-Thr-Met-Gly-Ala-Trp-Ser-Gln-Pro-Lys-Lys-Lys-Arg-Lys-Val	
Sequence Shortening:	GALFLGFLGAAGSTMGAWSQPKKKRKV	
Target:	Others	
Pathway:	Others	
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 : ≥ 50 mg/mL (17.81 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.3562 mL	1.7811 mL	3.5621 mL
	5 mM	0.0712 mL	0.3562 mL	0.7124 mL
	10 mM	0.0356 mL	0.1781 mL	0.3562 mL

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

BIOLOGICAL ACTIVITY

Description

MPG peptides, Pβ is a primary amphiphilic peptide consisting of three domains^[1].

REFERENCES

- [1]. Davoodi S, et al. Design and in vitro delivery of HIV-1 multi-epitope DNA and peptide constructs using novel cell-penetrating peptides. *Biotechnol Lett.* 2019 Nov;41(11):1283-1298.
- [2]. Zhang XX, et al. Peptides in cancer nanomedicine: drug carriers, targeting ligands and protease substrates. *J Control Release.* 2012 Apr 10;159(1):2-13.

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

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