Nucleoprotein (396-404)

Cat. No.: HY-P1571

CAS No.: 158475-79-7

Molecular Formula: $C_{50}H_{71}N_{13}O_{14}$

Molecular Weight: 1078.18

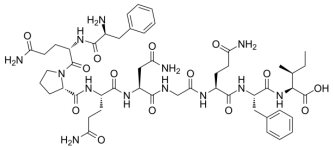
Sequence: Phe-Gln-Pro-Gln-Asn-Gly-Gln-Phe-Ile

Sequence Shortening: FQPQNGQFI

Target: Arenavirus

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 (92.75 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration / Solvent / Mass	1 mg	5 mg	10 mg
	1 mM	0.9275 mL	4.6374 mL	9.2749 mL
	5 mM	0.1855 mL	0.9275 mL	1.8550 mL
	10 mM	0.0927 mL	0.4637 mL	0.9275 mL

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

In Vivo

1. Add each solvent one by one: PBS
Solubility: 100 mg/mL (92.75 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Nucleoprotein (396-404) is the 396 to 404 fragment of lymphocytic choriomeningitis virus (LCMV). Nucleoprotein (396-404) is the H-2D(b)-restricted immunodominant epitope and can be used as a molecular model of viral antigen[1][2] .

REFERENCES

[1]. Gairin JE, et al. Optimal lymphocytic choriomeningitis virus sequences restricted by H-2Db major histocompatibility complex class I molecules and presented to cytotoxic T lymphocytes. J Virol. 1995 Apr;69(4):2297-305.

[2]. Hudrisier D, et al. Structural and functional identification of major histocompatibility complex class I-restricted self-peptides as naturally occurring molecular mimics of viral antigens. Possible role in CD8+ T cell-mediated, virus-induced autoimmune di

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