KSPWFTTL TFA

Cat. No.: HY-P3333A

Molecular Formula: $C_{50}H_{71}F_3N_{10}O_{14}$

Molecular Weight: 1093.15

Sequence: Lys-Ser-Pro-Trp-Phe-Thr-Thr-Leu

Sequence Shortening: KSPWFTTL

Target: Others

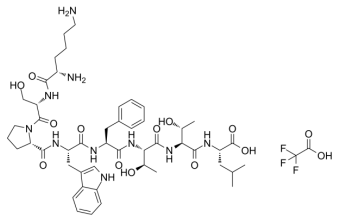
Pathway: Others

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

H_2O : 66.67 mg/mL (60.99 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	0.9148 mL	4.5739 mL	9.1479 mL
	5 mM	0.1830 mL	0.9148 mL	1.8296 mL
	10 mM	0.0915 mL	0.4574 mL	0.9148 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 (91.48 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

KSPWFTTL TFA is an immunodominant Kb-restricted epitope from the p15E transmembrane protein. KSPWFTTL TFA can restore susceptibility of a tumor line to anti-AKR/Gross MuLV cytotoxic T lymphocytes[1][2].

In Vitro

KSPWFTTL TFA is derived from the retroviral p15 TM envelope protein. The cytolytic T-lymphocyte (CTL)-insusceptible, variant cl.18-5 clonal line, after pulsed with the KSPWFTTL TFA peptide, becomes susceptible to lysis by antiviral CTL[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. White HD, et, al. An immunodominant Kb-restricted peptide from the p15E transmembrane protein of endogenous ecotropic murine leukemia virus (MuLV) AKR623

that restores susceptibility of a tumor line to anti-AKR/Gross MuLV cytotoxic T lymphocytes. J Virol. 1994 Feb;68(2):897-904.

[2]. Rich RF, et, al. Antiretroviral cytolytic T-lymphocyte nonresponsiveness: FasL/Fas-mediated inhibition of CD4(+) and CD8(+) antiviral T cells by viral antigen-positive veto cells. J Virol. 1999 May;73(5):3826-34.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA