Product Data Sheet

Product Name: FS1 peptide
Cat. No.: GC78947

Chemical Properties

Cas. No.			
Formula	$C_{114}H_{188}N_{38}O_{34}$	M.Wt	2634.95
Solubility	H_2O: 33.33 mg/mL (12.65 mM; Need ultrasonic)	Storage	Sealed storage, away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Ac-Gln-Trp-Val-Arg-Glu-Ile-Ala-Ala-Gly-
Leu-Arg-Leu-Ala-Ala-Asp-Asn-Val-Asn-
Ala-Gln-Leu-Glu-Arg-NH2

Background

FS1 peptide is a synthetic BH3 mimetic peptide that shows potential in enhancing NK cell-mediated

Product Data Sheet

cancer immunity. FS1 peptide targets anti-apoptotic BCL-2 family proteins, triggers the release of cytochrome c, and thereby promotes apoptosis (Apoptosis). FS1 peptide can be used for NK cell-based immunological research [1].

References:

[1]. Hartman ML, et al. BH3 mimetics potentiate pro-apoptotic activity of encorafenib in BRAF V600E melanoma cells. Cancer Lett. 2021;499:122-136.