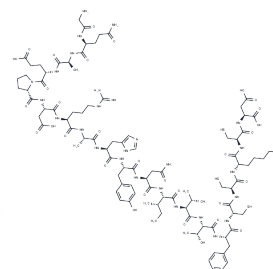


Protein E7(43-62)

Chemical Properties

CAS No. :	143853-58-1
Formula:	C95H144N28O31S3
Molecular Weight:	2270.54
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Protein E7(43-62) is a peptide derived from the E7 protein. The peptide spans the 43rd to 62nd amino acid residues and exhibits anti-tumor effects.
Targets(IC50)	Virus Protease
In vivo	An E7-derived peptide, Protein E7(43-62), was administered in the form of polymeric nanoparticles (PC7A NP) to C57BL/6 mice bearing human papilloma virus (HPV) E6/7 TC-1 tumors. The treatment resulted in 50% of these mice being tumor-free 60 days post-treatment[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4404 mL	2.2021 mL	4.4042 mL
5 mM	0.0881 mL	0.4404 mL	0.8808 mL
10 mM	0.044 mL	0.2202 mL	0.4404 mL
50 mM	0.0088 mL	0.044 mL	0.0881 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Min Luo, et al. A STING-activating Nanovaccine for Cancer Immunotherapy. Nat Nanotechnol. 2017 Jul;12(7):648-654.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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