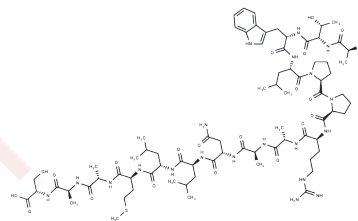


ATWLPPRAANLLMAAS

Chemical Properties

CAS No. :	1228447-26-4
Formula:	C76H123N21O20S
Molecular Weight:	1682.98
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	ATWLPPRAANLLMAAS is a chimeric peptide with anti-angiogenic and potent antitumor capabilities. It effectively inhibits the proliferation, viability, migration, and invasion of human hepatocellular carcinoma cells, and induces apoptosis (apoptosis).
Targets(IC50)	Apoptosis,ERK,Raf,Bcl-2 Family,MEK,Caspase,PARP,Ras
In vitro	ATWLPPRAANLLMAAS (V3) (25-200 μ M; 12-24 h) suppresses the proliferation, viability, migration, and invasion of human HCC cells (SMMC-7721, Huh-7) by inhibiting the Ras/Raf/MEK/ERK signaling pathway, though no significant effects were observed in HL-7702 cells.
In vivo	ATWLPPRAANLLMAAS (160-480 μ g/kg; s.c.; once daily for 7 days) can significantly inhibit the growth of transplanted mouse sarcoma S180 and H22 liver cancer tumors in a dose-dependent manner. Additionally, ATWLPPRAANLLMAAS (200 μ g/kg; s.c.; once daily for 4 weeks) suppresses the growth of human HCC xenograft tumors by downregulating angiogenesis and promoting apoptosis.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5942 mL	2.9709 mL	5.9418 mL
5 mM	0.1188 mL	0.5942 mL	1.1884 mL
10 mM	0.0594 mL	0.2971 mL	0.5942 mL
50 mM	0.0119 mL	0.0594 mL	0.1188 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481