

S7 TFA

Chemical Properties

CAS No. :

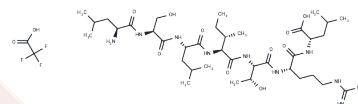
Formula: C37H70N10O10.XCF3COOH

Molecular Weight: 815.01

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description

S7, a peptide antagonist of the IL-6 receptor, concentration-dependently inhibits IL-6 binding to its receptor. At 50 μ M, S7 suppresses IL-6-triggered elevations in VEGF levels within C-33 A cervical cancer cells and RPMI-8226 B cell lymphocytes. It significantly reduces tumor volume in a C-33 A cervical cancer mouse xenograft model with IL-6 overexpression, following a dosage regimen of 50 mg/kg bi-daily. Moreover, when linked to cysteine on lipid nanoparticles (LNPs) encapsulating doxorubicin, S7 enhances glioma targeting and improves survival rates in a U251 glioblastoma mouse xenograft model.

Solubility Information

Solubility

1% HCOOH/H₂O: Soluble
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.227 mL	6.1349 mL	12.2698 mL
5 mM	0.2454 mL	1.227 mL	2.454 mL
10 mM	0.1227 mL	0.6135 mL	1.227 mL
50 mM	0.0245 mL	0.1227 mL	0.2454 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