

Shepherdin TFA

Chemical Properties

CAS No. :

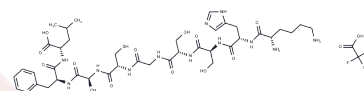
Formula: C₄₁H₆₄N₁₂O₁₂S.XCF₃COOH

Molecular Weight: 949.10

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	Shepherdin is a synthetic peptide mirroring amino acids 79-87 of human survivin, acting as an inhibitor of the survivin-heat shock protein 90 (Hsp90) interaction. It specifically targets the N-terminal domain of Hsp90, blocking the survivin-Hsp90 interaction in human reticulocyte extracts at a 150 μM concentration. Conjugates of Shepherdin with cell-permeable peptides, such as penetratin or the HIV Tat sequence, exhibit anticancer properties both in vitro and in vivo.
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Solubility Information

Solubility	Ethanol: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0536 mL	5.2681 mL	10.5363 mL
5 mM	0.2107 mL	1.0536 mL	2.1073 mL
10 mM	0.1054 mL	0.5268 mL	1.0536 mL
50 mM	0.0211 mL	0.1054 mL	0.2107 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

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