

## S1H TFA

## Chemical Properties

CAS No. :

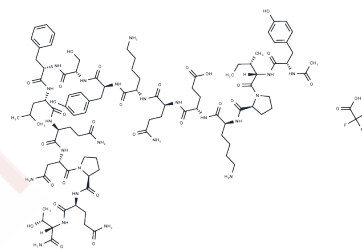
Formula: C94H141N23O27.XCF3COOH

Molecular Weight: 2025.30

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

S1H, a synthetic peptide mimetic of human growth hormone amino acids 36-51, acts as an antagonist to the growth hormone receptor. It forms an  $\alpha$ -helical structure in solution and inhibits STAT5 phosphorylation triggered by human growth hormone in SK-MEL-28 and MALME-3M melanoma cell lines, as well as prolactin in IM-9 B cell lymphocytes, at concentrations of 100 and 200 nM.

## Solubility Information

Solubility

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4938 mL	2.4688 mL	4.9375 mL
5 mM	0.0988 mL	0.4938 mL	0.9875 mL
10 mM	0.0494 mL	0.2469 mL	0.4938 mL
50 mM	0.0099 mL	0.0494 mL	0.0988 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