

## LAP TFA

## Chemical Properties

CAS No. :

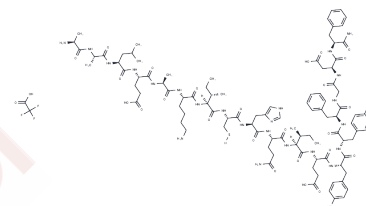
Formula: C99H141N23O27S.XCF3COOH

Molecular Weight: 2117.40

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

Lupus autoantigen peptide (LAP), a derivative of the autoantigen La found in systemic lupus erythematosus (SLE) patients, spans amino acids 11–28 of La and functions as an antiviral peptide. It primarily blocks the hepatitis C virus (HCV) from interacting with internal ribosome entry site (IRES) trans-acting factors (ITAFs), notably the polypyrimidine tract-binding protein (PTB) and poly(rC)-binding protein 2 (PCBP2). In a Huh7 cell-based reporter assay, LAP at a concentration of 60  $\mu\text{M}$  effectively hampers HCV IRES-mediated translation, a process reversible by adding recombinant forms of PTB and PCBP2.

## Solubility Information

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DMSO: 10 mg/mL (4.72 mM), Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4723 mL	2.3614 mL	4.7228 mL
5 mM	0.0945 mL	0.4723 mL	0.9446 mL
10 mM	0.0472 mL	0.2361 mL	0.4723 mL
50 mM	0.0094 mL	0.0472 mL	0.0945 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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