

Product Data Sheet

Product Name: LAP (trifluoroacetate salt)

Cat. No.: GC90564

Chemical Properties

Cas. No.

Formula $C_{99}H_{141}N_{23}O_{27}S \cdot XCF_3COOH$ M.Wt 2117.4

Solubility DMSO: 10 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure $H-Ala-Ala-Leu-Glu-Ala-Lys-Ile-Cys-His-Gln-Ile-Glu-Tyr-Tyr-Phe-Gly-Asp-Phe-NH_2 \cdot XCF_3COOH$

Background

Lupus autoantigen peptide (LAP) is an antiviral peptide derived from La, an autoantigen found in patients with systemic lupus erythematosus (SLE), that corresponds to amino acids 11-28 of La.¹ It inhibits the interaction between the hepatitis C virus (HCV) 5'-UTR and internal ribosome entry site (IRES) trans-acting factors (ITAFs), including polypyrimidine tract-binding protein (PTB) and poly(rC)-binding protein 2 (PCBP2).² LAP (60 μM) inhibits HCV IRES-mediated translation in a reporter assay using Huh7 cells, an effect that can be reversed by recombinant PTB and PCBP2.^{1,2}

Caution: Product has not been fully validated for medical applications. For research use only.

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