

Ribosomal protein L3 peptide (202-222) amide

Chemical Properties

CAS No. :

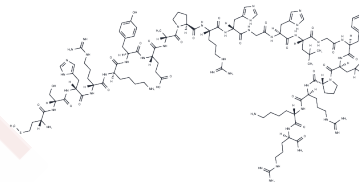
Formula: C114H182N42O25S

Molecular Weight: 2573

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	Ribosomal protein L3 peptide (202-222) is a peptide with the sequence H ₂ N-Met-Ser-His-Arg-Lys-Tyr-Glu-Ala-Pro-Arg-His-Gly-His-Leu-Gly-Phe-Leu-Pro-Arg-Lys-Arg-amide, MW=2573.
Targets(IC50)	Others
In vitro	Ribosomes are the particles that catalyze mRNA-directed protein synthesis in all organisms. The codons of the mRNA are exposed on the ribosome to allow tRNA binding. This leads to the incorporation of amino acids into the growing polypeptide chain in accordance with the genetic information. Ribosomal protein L3 is one of the proteins from the large ribosomal subunit. In Escherichia coli, L3 is known to bind to the 23S rRNA and may participate in the formation of the peptidyltransferase center of the ribosome [1][2].
In vivo	This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L3P family of ribosomal proteins and it is located in the cytoplasm. The protein can bind to the HIV-1 TAR mRNA, and it has been suggested that the protein contributes to Tat-mediated transactivation [3].

Solubility Information

Solubility	DMSO: ≥257.3 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3887 mL	1.9433 mL	3.8865 mL
5 mM	0.0777 mL	0.3887 mL	0.7773 mL
10 mM	0.0389 mL	0.1943 mL	0.3887 mL
50 mM	0.0078 mL	0.0389 mL	0.0777 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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