

Lunasin

Chemical Properties

CAS No. :	496823-34-8
Formula:	C204H321N65O78S3
Molecular Weight:	5028.32
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Lunasin, a bioactive peptide derived from soybean, exhibits antioxidant, anti-inflammatory, anticancer, and anti-aging properties. It operates through an epigenetic mechanism linked to histone acetylation and has the ability to penetrate cells and impede the formation of oncospheres in cancer cells [1].
Targets(IC50)	Parasite
In vitro	Lunasin is composed of four sections, including a tail with aspartic acid (D) and an RGD motif. This RGD sequence is critical for Lunasin's internalization into cells and its anti-transformative functions, as well as its association with the inhibition of methionine adenosyltransferase formation in the A375 ALDHhigh melanoma cell line induced by Lunasin [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1989 mL	0.9944 mL	1.9887 mL
5 mM	0.0398 mL	0.1989 mL	0.3977 mL
10 mM	0.0199 mL	0.0994 mL	0.1989 mL
50 mM	0.004 mL	0.0199 mL	0.0398 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

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