

ALA-A2 peptide

Chemical Properties

CAS No. :

Formula: C67H111N21O19S

Molecular Weight: 1546.79

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	ALA-A2, a cancer peptide found in α -lactalbumin, selectively kills cancer cells by inducing autophagy (Autophagy). It possesses cell-penetrating properties, allowing it to enter cells effectively without relying on membrane solubilization effects. In A549 lung cancer cells, ALA-A2 demonstrates significant dose-dependent anticancer activity. This peptide shows promise for research in cancer treatment and autophagy regulation.
Targets(IC50)	Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6465 mL	3.2325 mL	6.465 mL
5 mM	0.1293 mL	0.6465 mL	1.293 mL
10 mM	0.0647 mL	0.3233 mL	0.6465 mL
50 mM	0.0129 mL	0.0647 mL	0.1293 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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