

## Apoptin-derived peptide

## Chemical Properties

CAS No. :	2232156-31-7
Formula:	C223H417N89O50S
Molecular Weight:	5177.33
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	Apoptin-derived peptide, an antitumor polypeptide, exhibits cytotoxic effects by promoting apoptosis and necrosis in gastric cancer (GC) cells through the modulation of the PI3K / AKT / ARNT signaling pathway. It also impedes both the invasion and migration of cancer cells by inhibiting the expression and phosphorylation of the p85 subunit of PI3K, subsequently suppressing the PI3K / AKT pathway critical to gastric cancer development [1].
Targets(IC50)	Apoptosis,Akt,PI3K
In vitro	TP2543 T85926 T86293 T86717 TN7754 T9901A-054 T9901A-055

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1931 mL	0.9657 mL	1.9315 mL
5 mM	0.0386 mL	0.1931 mL	0.3863 mL
10 mM	0.0193 mL	0.0966 mL	0.1931 mL
50 mM	0.0039 mL	0.0193 mL	0.0386 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.

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