

## Pep1-DNP conjugate 9

## Chemical Properties

CAS No. :

Formula: C135H207N37O41

Molecular Weight: 3004.31

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	Pep1-DNP conjugate 9 is a functionalized peptide composed of a DNP-hapten and an FGFR1-binding peptide. It exhibits good affinity for FGFR1, with a dissociation constant (KD) of 5.01 $\mu$ M. This compound effectively recruits anti-DNP antibodies to the surface of FGFR1-positive cells, inhibits FGF2-induced proliferation of rat skeletal myoblasts, and induces apoptosis. In mouse models, Pep1-DNP conjugate 9 demonstrates antitumor activity.
Targets(IC50)	Apoptosis,FGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3329 mL	1.6643 mL	3.3286 mL
5 mM	0.0666 mL	0.3329 mL	0.6657 mL
10 mM	0.0333 mL	0.1664 mL	0.3329 mL
50 mM	0.0067 mL	0.0333 mL	0.0666 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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