

## PNC-28 acetate

## Chemical Properties

CAS No. :

Formula: C164H255N47O37S.C2H4O2

Molecular Weight: 3569.18

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	PNC-28 acetate, a peptide derived from the mdm-2-binding domain (residues 17-26) of the p53 protein featuring a penetratin sequence for membrane crossing, is utilized in pancreatic cancer research [1] [2].
Targets(IC50)	MDM-2/p53
In vitro	PNC-28 (0-0.5 mg/mL) inhibits the growth of lethal human pancreatic cancer cell lines [2].
In vivo	PNC-28, administered subcutaneously (SC) or intraperitoneally (IP) at a dose of 2 mg/mouse for a duration of 14 days, effectively inhibited the in vivo growth of BMRPA1 [1]. At a dosage range of 1-20 mg/mouse given SC over 14 days, PNC-28 also suppressed the growth of BMRPA1 Tuc3 tumors [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2802 mL	1.4009 mL	2.8018 mL
5 mM	0.056 mL	0.2802 mL	0.5604 mL
10 mM	0.028 mL	0.1401 mL	0.2802 mL
50 mM	0.0056 mL	0.028 mL	0.056 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481