

PTP1B-IN-30

Chemical Properties

CAS No. :

Formula: C₂₂H₂₁N₃O₅S

Molecular Weight: 439.48

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	PTP1B-IN-30 (Compound 3j) is an inhibitor of PTP1B with an IC ₅₀ of 0.51 μM. It suppresses the proliferation of T47D cancer cells with an IC ₅₀ of 21.21 μM, induces cell cycle arrest at the S phase, and triggers apoptosis in T47D cells.
Targets(IC ₅₀)	Apoptosis,Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2754 mL	11.3771 mL	22.7542 mL
5 mM	0.4551 mL	2.2754 mL	4.5508 mL
10 mM	0.2275 mL	1.1377 mL	2.2754 mL
50 mM	0.0455 mL	0.2275 mL	0.4551 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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