

PTP1B-IN-29

Chemical Properties

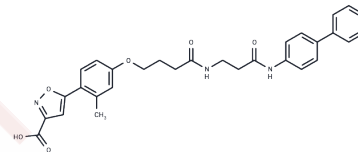
CAS No. :

Formula: C₃₀H₂₉N₃O₆

Molecular Weight: 527.568

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-29 (Compound A2B5) is a phosphatase inhibitor that targets protein tyrosine phosphatase 1B (PTP1B), TCPTP, and λPPase, with IC ₅₀ values of 1.27 μM, 4.38 μM, and 8.79 μM, respectively. PTP1B-IN-29 is applicable in the research of diabetes and obesity.
Targets(IC ₅₀)	Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8955 mL	9.4774 mL	18.9548 mL
5 mM	0.3791 mL	1.8955 mL	3.791 mL
10 mM	0.1895 mL	0.9477 mL	1.8955 mL
50 mM	0.0379 mL	0.1895 mL	0.3791 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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