

PTP1B-IN-21

Chemical Properties

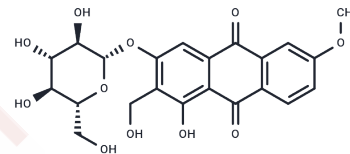
CAS No. :

Formula: C₂₂H₂₂O₁₁

Molecular Weight: 462.4

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-21 is a compound that functions as a selective inhibitor of protein tyrosine phosphatase 1B (PTP1B; IC ₅₀ =1.56 μM), demonstrating a marked preference over the structurally similar T-cell protein tyrosine phosphatase (TCPTP; IC ₅₀ >100 μM). This specificity highlights its potential as a critical agent for type 2 diabetes management.
Targets(IC ₅₀)	Others,Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1626 mL	10.8131 mL	21.6263 mL
5 mM	0.4325 mL	2.1626 mL	4.3253 mL
10 mM	0.2163 mL	1.0813 mL	2.1626 mL
50 mM	0.0433 mL	0.2163 mL	0.4325 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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