

PTP1B-IN-14

Chemical Properties

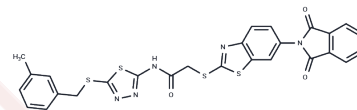
CAS No. : 724451-35-8

Formula: C₂₇H₁₉N₅O₃S₄

Molecular Weight: 589.73

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-14 is a selective inhibitor of Protein Tyrosine Phosphatase 1B (PTP1B) that targets the enzyme's allosteric site, with an inhibitory concentration (IC ₅₀) of 0.72 μM.
Targets(IC ₅₀)	Others, Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6957 mL	8.4785 mL	16.9569 mL
5 mM	0.3391 mL	1.6957 mL	3.3914 mL
10 mM	0.1696 mL	0.8478 mL	1.6957 mL
50 mM	0.0339 mL	0.1696 mL	0.3391 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.

Reference

Yang Y, et al. Integrated Approach to Identify Selective PTP1B Inhibitors Targeting the Allosteric Site. J Chem Inf Model. 2021 Sep 27;61(9):4720-4732.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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