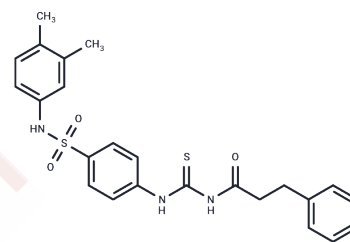


PTP1B-IN-13

Chemical Properties

CAS No. : 650621-20-8
 Formula: C₂₄H₂₅N₃O₃S₂
 Molecular Weight: 467.6
 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-13, a potent and selective inhibitor of Protein Tyrosine Phosphatase 1B (PTP1B), effectively targets the allosteric site, exhibiting an IC ₅₀ value of 1.59 μM.
Targets(IC ₅₀)	Others, Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1386 mL	10.6929 mL	21.3858 mL
5 mM	0.4277 mL	2.1386 mL	4.2772 mL
10 mM	0.2139 mL	1.0693 mL	2.1386 mL
50 mM	0.0428 mL	0.2139 mL	0.4277 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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