

PTP1B-IN-20

## Chemical Properties

CAS No. : 3001295-81-1  
Formula: C<sub>26</sub>H<sub>28</sub>O<sub>15</sub>  
Molecular Weight: 580.49  
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-20 is a selective PTP1B (protein tyrosine phosphatase 1B) inhibitor with an IC <sub>50</sub> of 1.05 µM, demonstrating selectivity over TCPTP (T-cell protein tyrosine phosphatase) with an IC <sub>50</sub> of 78.0 µM. It targets a crucial enzyme for inhibiting type 2 diabetes, showing preferential action on PTP1B over TCPTP.
Targets(IC <sub>50</sub> )	Others,Phosphatase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7227 mL	8.6134 mL	17.2268 mL
5 mM	0.3445 mL	1.7227 mL	3.4454 mL
10 mM	0.1723 mL	0.8613 mL	1.7227 mL
50 mM	0.0345 mL	0.1723 mL	0.3445 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481