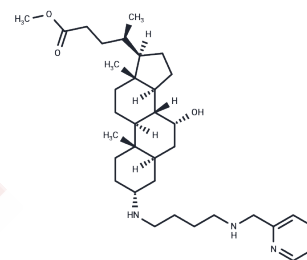


DPM-1001

## Chemical Properties

CAS No. : 1471172-27-6  
 Formula: C<sub>35</sub>H<sub>57</sub>N<sub>3</sub>O<sub>3</sub>  
 Molecular Weight: 567.85  
 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	DPM-1001 is an orally bioavailable and non-competitive protein-tyrosine phosphatase (PTP1B) inhibitor (IC <sub>50</sub> : 100 nM) with the anti-diabetic property.
Targets(IC <sub>50</sub> )	Phosphatase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.761 mL	8.8051 mL	17.6103 mL
5 mM	0.3522 mL	1.761 mL	3.5221 mL
10 mM	0.1761 mL	0.8805 mL	1.761 mL
50 mM	0.0352 mL	0.1761 mL	0.3522 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

Krishnan N, et al. A potent, selective, and orally bioavailable inhibitor of the protein-tyrosine phosphatase PTP1B improves insulin and leptin signaling in animal models. J Biol Chem. 2018 Feb 2;293(5):1517-1525.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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