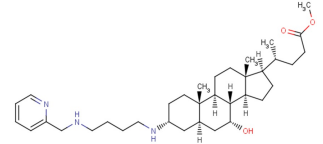


Data Sheet (Cat.No.T15166)

DPM-1001

Chemical Properties

CAS No.:	1471172-27-6
Formula:	C ₃₅ H ₅₇ N ₃ O ₃
Molecular Weight:	567.85
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	DPM-1001 is an orally bioavailable and non-competitive protein-tyrosine phosphatase (PTP1B) inhibitor (IC ₅₀ : 100 nM) with the anti-diabetic property.
Targets(IC ₅₀)	PTP1B: 100 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.761 mL	8.805 mL	17.61 mL
5 mM	0.352 mL	1.761 mL	3.522 mL
10 mM	0.176 mL	0.881 mL	1.761 mL
50 mM	0.035 mL	0.176 mL	0.352 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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