

CX08005

## Chemical Properties

CAS No. : 1256341-22-6

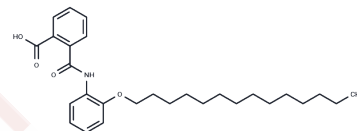
Formula: C<sub>28</sub>H<sub>39</sub>NO<sub>4</sub>

Molecular Weight: 453.61

Store at low temperature

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	CX08005 is a protein tyrosine phosphatase 1B inhibitor. CX08005 reduces hepatic lipid accumulation and microcirculatory impairment associated with non-alcoholic fatty liver disease.
Targets(IC50)	Phosphatase

## Solubility Information

Solubility	DMSO: 50 mg/mL (110.23 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2045 mL	11.0227 mL	22.0454 mL
5 mM	0.4409 mL	2.2045 mL	4.4091 mL
10 mM	0.2205 mL	1.1023 mL	2.2045 mL
50 mM	0.0441 mL	0.2205 mL	0.4409 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

Li J, et al. CX08005, a Protein Tyrosine Phosphatase 1B Inhibitor, Attenuated Hepatic Lipid Accumulation and Microcirculation Dysfunction Associated with Nonalcoholic Fatty Liver Disease. *Pharmaceuticals (Basel)*. 2023 Jan 11;16(1):106.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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