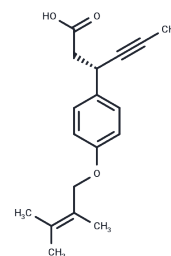


CPL207280

## Chemical Properties

CAS No. : 2361497-72-3  
 Formula: C<sub>18</sub>H<sub>22</sub>O<sub>3</sub>  
 Molecular Weight: 286.37  
 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	CPL207280, an orally active GPR40/FFA1 agonist with antidiabetic effects, enhances glucose-stimulated insulin secretion and improves glucose tolerance in MIN6 pancreatic $\beta$ -cells, healthy Wistar Han rats, and diabetic rat models, making it a valuable compound for type 2 diabetes research [1] [2].
Targets(IC50)	GPCR
In vivo	CPL207280, administered as a single oral dose of 10 mg/kg, exhibits hypoglycemic effects in Wistar Han rats. Its pharmacokinetic parameters at a 3 mg/kg oral dose include a C <sub>max</sub> of 1699 ng/mL, T <sub>max</sub> of 1 hour, and T <sub>1/2</sub> of 1.41 hours [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.492 mL	17.4599 mL	34.9199 mL
5 mM	0.6984 mL	3.492 mL	6.984 mL
10 mM	0.3492 mL	1.746 mL	3.492 mL
50 mM	0.0698 mL	0.3492 mL	0.6984 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

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