

## GLP-1 receptor agonist 7

## Chemical Properties

CAS No. : 2736447-04-2

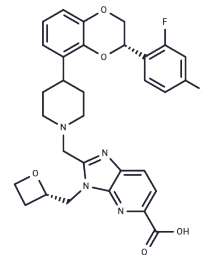
Formula: C<sub>31</sub>H<sub>30</sub>ClFN<sub>4</sub>O<sub>5</sub>

Molecular Weight: 593.05

Keep away from direct sunlight

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	GLP-1 receptor agonist 7 (Compound 130b) is a potent agonist of the Glucagon-like peptide-1 (GLP-1) receptor. It exhibits high affinity for GLP-1R, effectively triggering the generation of intracellular cAMP via G-protein-mediated signaling with an EC <sub>50</sub> of $\leq 0.2$ nM. As a potent incretin mimetic, this compound modulates glucose homeostasis by enhancing insulin secretion in a glucose-dependent manner. It serves as a significant molecular tool for studying the therapeutic interventions for type 2 diabetes, obesity, and other GLP-1R-related metabolic disorders
Targets(IC <sub>50</sub> )	Glucagon Receptor

## Solubility Information

Solubility	DMSO: 100 mg/mL (168.62 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	1.6862 mL	8.431 mL	16.862 mL
5 mM	0.3372 mL	1.6862 mL	3.3724 mL
10 mM	0.1686 mL	0.8431 mL	1.6862 mL
50 mM	0.0337 mL	0.1686 mL	0.3372 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

Qinghua Meng, et al. Heterocyclic glp-1 agonists. Patent WO2021219019A1.

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