

YGT-31

Chemical Properties

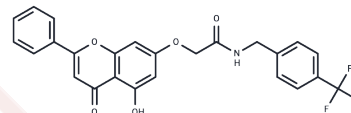
CAS No. : 2835447-74-8

Formula: C₂₅H₁₈F₃NO₅

Molecular Weight: 469.41

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	YGT-31 is a PPAR γ modulator with an IC ₅₀ of 1.72 μ M and a K _i of 0.62 μ M. It diminishes blood glucose levels and enhances insulin sensitivity in a type 2 diabetes model in db/db mice by inhibiting CDK5-mediated phosphorylation of PPAR γ -Ser273. Additionally, YGT-31 exhibits anti-steatotic effects in a mouse model of non-alcoholic fatty liver disease (NAFLD).
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1303 mL	10.6517 mL	21.3033 mL
5 mM	0.4261 mL	2.1303 mL	4.2607 mL
10 mM	0.213 mL	1.0652 mL	2.1303 mL
50 mM	0.0426 mL	0.213 mL	0.4261 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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