

ZLY28

Chemical Properties

CAS No. :

Formula: C₂₉H₂₃Cl₂N₄O₄

Molecular Weight: 520.4

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	ZLY28 is a novel, first-in-class compound with specific intestinal restriction and oral activity, serving as a dual modulator of FXR and FABP1. Additionally, it is a pioneering anti-NASH agent, utilized in the study of nonalcoholic steatohepatitis (NASH) [1].
Targets(IC50)	FXR
In vitro	ZLY28 exhibits suitable hepatic microsomal stability and high target selectivity toward FXR (EC ₅₀ = 143 nM) and FABP1 (IC ₅₀ = 2.7 μM)[1].
In vivo	ZLY28 (oral; 20 mg/kg) significantly improves fatty liver in a NASH mouse model by modulating lipid metabolism, inflammation, oxidative stress, and fibrosis [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9216 mL	9.608 mL	19.216 mL
5 mM	0.3843 mL	1.9216 mL	3.8432 mL
10 mM	0.1922 mL	0.9608 mL	1.9216 mL
50 mM	0.0384 mL	0.1922 mL	0.3843 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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