

ZLN005 hydrochloride

Chemical Properties

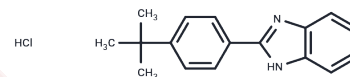
CAS No. : 2319647-97-5

Formula: C₁₇H₁₉ClN₂

Molecular Weight: 286.80

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	ZLN005 (hydrochloride) is an activator of the peroxisome proliferator-activated receptor-gamma coactivator 1-alpha (PGC-1 α). It enhances the expression of PGC-1 α and downstream genes in skeletal muscle cells, leading to improved glucose utilization and fatty acid oxidation. In diabetic db/db mice, ZLN005 (hydrochloride) elevates the transcription of PGC-1 α and downstream genes in skeletal muscle, boosts fat oxidation, and enhances glucose tolerance, pyruvate tolerance, and insulin sensitivity.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4868 mL	17.4338 mL	34.8675 mL
5 mM	0.6974 mL	3.4868 mL	6.9735 mL
10 mM	0.3487 mL	1.7434 mL	3.4868 mL
50 mM	0.0697 mL	0.3487 mL	0.6974 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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