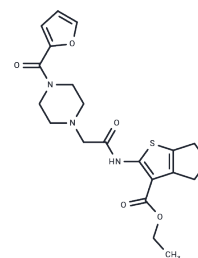


GLX351322

Chemical Properties

CAS No. : 835598-94-2
Formula: C₂₁H₂₅N₃O₅S
Molecular Weight: 431.51
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	GLX351322 is NADPH Oxidase 4 Inhibitor with IC ₅₀ of 5 μM.
Targets(IC ₅₀)	NADPH,NADPH-oxidase
In vitro	In long-term experiments (1-3 days), high-glucose-induced human islet cell reactive oxygen species (ROS) production and death were prevented by GLX351322.

Solubility Information

Solubility	DMSO: 20 mg/mL (46.35 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.32 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3174 mL	11.5872 mL	23.1744 mL
5 mM	0.4635 mL	2.3174 mL	4.6349 mL
10 mM	0.2317 mL	1.1587 mL	2.3174 mL
50 mM	0.0463 mL	0.2317 mL	0.4635 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

Anvari, Ebrahim, Wikström, Per, Walum, Erik, et al. The novel NADPH oxidase 4 inhibitor GLX351322 counteracts glucose intolerance in high-fat diet-treated C57BL/6 mice[J]. Free Radical Research, 49(11):1-32.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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