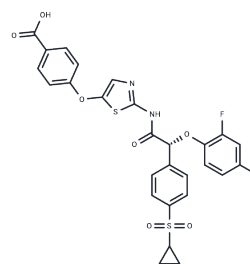


Glucokinase activator 1

Chemical Properties

CAS No. :	1328987-85-4
Formula:	C ₂₇ H ₂₀ F ₂ N ₂ O ₇ S ₂
Molecular Weight:	586.58
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	Glucokinase activator 1 is a liver-directed glucokinase activator [EC50: 34 nM].
Targets(IC50)	Others,Glucokinase
In vivo	The predominant liver-directed tissue distribution of Glucokinase activator 1 ensures a good safety window with respect to hypoglycemia over a 10-fold dose range. Glucokinase activator 1 (3 to 300 mg/kg, oral, 180 minutes) shows a dose dependent improvement in glucose excursion in oGTT in a DIO mouse model of T2D.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7048 mL	8.524 mL	17.048 mL
5 mM	0.341 mL	1.7048 mL	3.4096 mL
10 mM	0.1705 mL	0.8524 mL	1.7048 mL
50 mM	0.0341 mL	0.1705 mL	0.341 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

Deshpande AM, et al. Discovery of liver-directed glucokinase activator having anti-hyperglycemic effect without hypoglycemia. Eur J Med Chem. 2017 Jun 16;133:268-286.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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