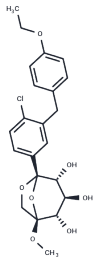
Data Sheet (Cat.No.T15505)

TargetMol

HSK0935

Chemical Properties



CAS No. : 1638851-44-1

Formula: C22H25ClO7

Molecular Weight: 436.88

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	HSK0935 is a highly selective and orally available SGLT2 inhibitor (IC50: 1.3 nM). It has antihyperglycemic activities.
Targets(IC50)	SGLT
In vitro	HSK0935 shows excellent hSGLT2 inhibition of 1.3 nM. HSK0935 displays a high hSGLT1/hSGLT2 selectivity of 843-fold[1].
In vivo	In a 28-day repeat-dose toxicology study conducted on beagle dogs, HSK0935 was found to be well-tolerated at doses up to 300 mg/kg, without causing any deaths or severe adverse effects. Additionally, treatment with HSK0935 at doses of 1, 3, and 10 mg/kg resulted in significant urinary glucose excretion in Sprague-Dawley (SD) rats, and had an even greater effect on urinary glucose excretion in Rhesus monkeys[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.289 mL	11.4448 mL	22.8896 mL
5 mM	0.4578 mL	2.289 mL	4.5779 mL
10 mM	0.2289 mL	1.1445 mL	2.289 mL
50 mM	0.0458 mL	0.2289 mL	0.4578 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

Li Y, et al. Discovery of a Potent, Selective Renal Sodium-Dependent Glucose Cotransporter 2 (SGLT2) Inhibitor (HSK0935) for the Treatment of Type 2 Diabetes. J Med Chem. 2017 May 25;60(10):4173-4184.

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