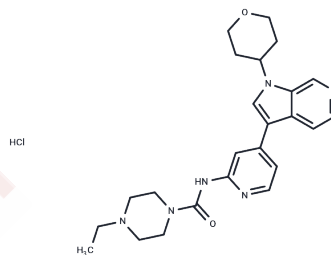


GNF2133 hydrochloride

Chemical Properties

CAS No. :	2561414-57-9
Formula:	C ₂₄ H ₃₁ ClN ₆ O ₂
Molecular Weight:	471.0
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	GNF2133 hydrochloride is a selective, effective, and orally active DYRK1A inhibitor, able to act on DYRK1A (IC ₅₀ : 0.0062 μM) and GSK3β (IC ₅₀ > 50 μM); GNF2133 hydrochloride showed good proliferative ability and efficacy in rat and human primary β cells. GNF2133 hydrochloride significantly improved glucose processing ability and increased insulin secretion. GNF2133 hydrochloride has the potential to study type 1 diabetes.
Targets(IC ₅₀)	Others,DYRK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1231 mL	10.6157 mL	21.2314 mL
5 mM	0.4246 mL	2.1231 mL	4.2463 mL
10 mM	0.2123 mL	1.0616 mL	2.1231 mL
50 mM	0.0425 mL	0.2123 mL	0.4246 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481