

GRK5-IN-2

Chemical Properties

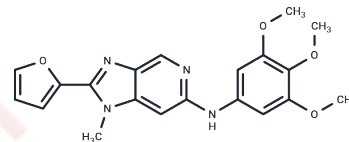
CAS No. : 1642839-27-7

Formula: C₂₀H₂₀N₄O₄

Molecular Weight: 380.4

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	GRK5-IN-2, a pyridine-based bicyclic compound, is a potent G-protein-coupled receptor kinase 5 (GRK5) inhibitor. It regulates the expression and/or release of insulin and is useful for the metabolic disease research.
Targets(IC50)	ERK,GRK

Solubility Information

Solubility	DMSO: 83.33 mg/mL (219.06 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: 3.3 mg/mL (8.68 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	2.6288 mL	13.1441 mL	26.2881 mL
5 mM	0.5258 mL	2.6288 mL	5.2576 mL
10 mM	0.2629 mL	1.3144 mL	2.6288 mL
50 mM	0.0526 mL	0.2629 mL	0.5258 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