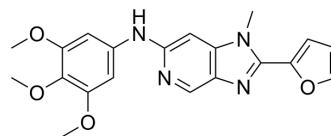


GRK5-IN-2

Cat. No.:	HY-136561		
CAS No.:	1642839-27-7		
Molecular Formula:	C ₂₀ H ₂₀ N ₄ O ₄		
Molecular Weight:	380.4		
Target:	G Protein-coupled Receptor Kinase (GRK)		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (164.30 mM; ultrasonic and warming and heat to 60°C)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.47 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	GRK5-IN-2 (compound 707), a pyridine-based bicyclic compound, is a potent G-protein-coupled receptor kinase 5 (GRK5) inhibitor. GRK5-IN-2 regulates the expression and/or release of insulin and is useful for the metabolic disease research ^[1] .
IC ₅₀ & Target	GRK5 ^[1]

REFERENCES

[1]. Axel Ullrich (Prof. Dr.), et al. Imidazo[4,5-c]pyridine and pyrrolo[3,2-c]pyridine compounds as G-protein-coupled receptor kinase 5 (GRK5) modulators. EP2818472A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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