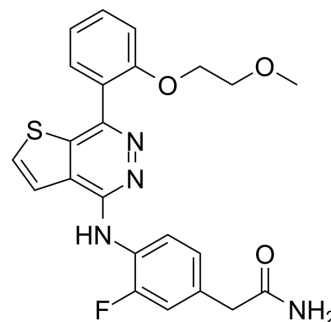


GLUT4 activator 1

Cat. No.:	HY-128574		
CAS No.:	2253733-37-6		
Molecular Formula:	C ₂₃ H ₂₁ FN ₄ O ₃ S		
Molecular Weight:	452.5		
Target:	GLUT		
Pathway:	Membrane Transporter/Ion Channel		
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 : 100 mg/mL (220.99 mM; ultrasonic and warming and heat to 60°C)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.2099 mL	11.0497 mL	22.0994 mL
	5 mM	0.4420 mL	2.2099 mL	4.4199 mL
	10 mM	0.2210 mL	1.1050 mL	2.2099 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.52 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.52 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.52 mM); Suspended solution; Need ultrasonic 			

BIOLOGICAL ACTIVITY

Description	GLUT4 activator 1 (Compound 26b) is a potent glucose transporter type 4 (GLUT4) translocation activator with an EC ₅₀ of 0.14 μM ^[1] .
IC₅₀ & Target	GLUT4 0.14 μM (EC ₅₀)

REFERENCES

[1]. Tsuji T, et al. Discovery of novel pyridazine derivatives as glucose transporter type 4 (GLUT4) translocation activators. *Bioorg Med Chem Lett*. 2019 Jul 15;29(14):1785-1790.

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

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