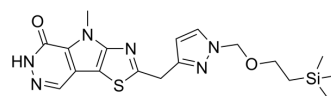


PKR activator 4

Cat. No.:	HY-153354		
CAS No.:	2283420-05-1		
Molecular Formula:	C ₁₈ H ₂₄ N ₆ O ₂ SSi		
Molecular Weight:	416.57		
Target:	Pyruvate Kinase		
Pathway:	Metabolic Enzyme/Protease		
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 : 50 mg/mL (120.03 mM); ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.4006 mL	12.0028 mL	24.0056 mL
		5 mM	0.4801 mL	2.4006 mL	4.8011 mL
10 mM		0.2401 mL	1.2003 mL	2.4006 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (12.00 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	PKR activator 4 (example 7A) is a potent pyruvate kinase R (PKR) activator. PKR activator 4 has the potential for the research of blood disorders ^[1] .
IC ₅₀ & Target	PKR ^[1]

REFERENCES

[1]. Giovanni Cianchetta et al. Pyruvate kinase activators for use in treating blood disorders. WO2019035864A1.

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

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