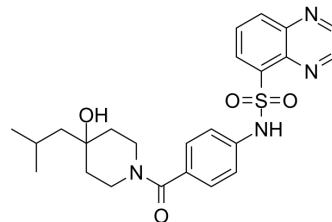


PKR activator 3

Cat. No.:	HY-19702		
CAS No.:	1628428-01-2		
Molecular Formula:	C ₂₄ H ₂₈ N ₄ O ₄ S		
Molecular Weight:	468.57		
Target:	Pyruvate Kinase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (106.71 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	2.1342 mL	10.6708 mL	21.3415 mL
	5 mM	0.4268 mL	2.1342 mL	4.2683 mL
	10 mM	0.2134 mL	1.0671 mL	2.1342 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: ≥ 2.5 mg/mL (5.34 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.34 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	PKR activator 3 is a pyruvate kinase isoform PKR activator extracted from patent WO2014139144A1, compound 160. PKR activator 3 can be used for the research of PKR function related diseases, including cancer, diabetes, obesity, autoimmune disorders, and benign prostatic hyperplasia ^[1] .
IC ₅₀ & Target	PKR ^[1]

REFERENCES

[1]. Popovici-Muller, et al. Preparation of N-(piperidinecarbonylphenyl) sulfonamide compounds as pyruvate kinase modulators. From PCT Int. Appl. (2014), WO2014139144A1 20140918.

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

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