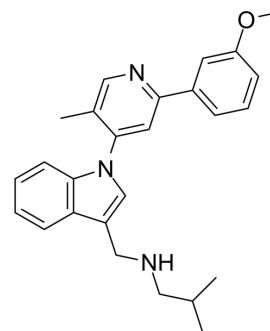


WNK-IN-1

Cat. No.:	HY-119727		
CAS No.:	2125724-72-1		
Molecular Formula:	C ₂₆ H ₂₉ N ₃ O		
Molecular Weight:	399.53		
Target:	Ser/Thr Protease		
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 : 100 mg/mL (250.29 mM; Need ultrasonic)					
		Solvent	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	Concentration				
		1 mM		2.5029 mL	12.5147 mL	25.0294 mL
5 mM		0.5006 mL	2.5029 mL	5.0059 mL		
	10 mM		0.2503 mL	1.2515 mL	2.5029 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 (6.26 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (6.26 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	WNK-IN-1 (compound 7) is a ATP noncompetitive With-No-Lysine (WNK) kinase inhibitor (IC ₅₀ =95 nM). WNK-IN-1 can be used to regulate cardiovascular homeostasis ^[1] .
IC₅₀ & Target	With-No-Lysine (WNK) kinase ^[1]

REFERENCES

[1]. Yamada K, et al. Optimization of Allosteric With-No-Lysine (WNK) Kinase Inhibitors and Efficacy in Rodent Hypertension Models. J Med Chem. 2017 Aug 24;60(16):7099-

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA