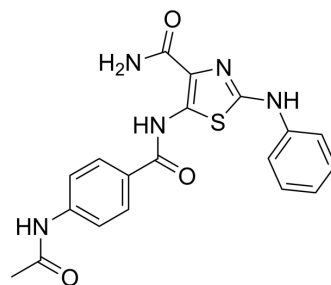


TNIK-IN-1

Cat. No.:	HY-124762		
CAS No.:	933886-36-3		
Molecular Formula:	C ₁₉ H ₁₇ N ₅ O ₃ S		
Molecular Weight:	395.43		
Target:	Others		
Pathway:	Others		
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 (252.89 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.5289 mL	12.6445 mL	25.2889 mL
		5 mM	0.5058 mL	2.5289 mL	5.0578 mL
10 mM		0.2529 mL	1.2644 mL	2.5289 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 (6.32 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	TNIK-IN-1 (Compound 1) is an inhibitor of Traf2 and Nck-interacting kinase (TNIK), with IC ₅₀ of 65 nM, that has antitumor activity ^[1] .
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REFERENCES

[1]. Koc-Kan Ho, et al. Discovery of 4-phenyl-2-phenylaminopyridine based TNIK inhibitors. Bioorg Med Chem Lett. 2013 Jan 15;23(2):569-73.

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