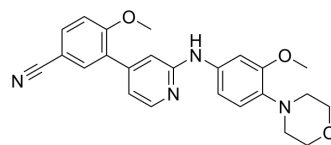


TINK-IN-1

Cat. No.:	HY-156502		
CAS No.:	1417795-25-5		
Molecular Formula:	C ₂₄ H ₂₄ N ₄ O ₃		
Molecular Weight:	416.47		
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 : 125 mg/mL (300.14 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.4011 mL	12.0057 mL	24.0113 mL	
5 mM	0.4802 mL	2.4011 mL	4.8023 mL	
10 mM	0.2401 mL	1.2006 mL	2.4011 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

TINK-IN-1 (Compound 9) is a potent and selective Traf2- and Nck-interacting kinase (TNIK) inhibitor with an IC₅₀ of 8 nM. TINK-IN-1 inhibits colorectal cancer cells viability^[1].

IC₅₀ & Target

IC₅₀: 8 nM (TNIK), 4.7 μM (HERG), 6.3 μM (β-lactamase)^[1]

REFERENCES

[1]. Ho KK, 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.

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