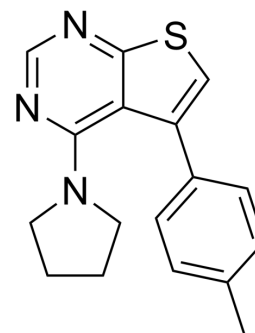


UMK57

Cat. No.:	HY-122236		
CAS No.:	342595-74-8		
Molecular Formula:	C ₁₇ H ₁₇ N ₃ S		
Molecular Weight:	295.4		
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

Ethanol : 6.67 mg/mL (22.58 mM; Need ultrasonic)
 DMSO : 2 mg/mL (6.77 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3852 mL	16.9262 mL	33.8524 mL
	5 mM	0.6770 mL	3.3852 mL	6.7705 mL
	10 mM	0.3385 mL	1.6926 mL	3.3852 mL

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

BIOLOGICAL ACTIVITY

Description

UMK57 is a small molecule compound that specifically promotes k-MT attachment error correction to inhibit chromosome missegregation, which can improve chromosome segregation fidelity by destabilizing kinetochore microtubule (k-MT) attachment during mitosis^[1].

REFERENCES

[1]. Bernardo Orr, et al. Adaptive Resistance to an Inhibitor of Chromosomal Instability in Human Cancer Cells. Cell Rep. 2016 Nov 8;17(7):1755-1763.

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

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