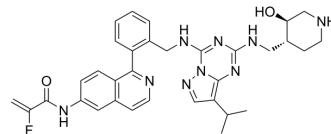


CDK7-IN-21

Cat. No.:	HY-153278		
CAS No.:	2766124-39-2		
Molecular Formula:	C ₃₃ H ₃₆ FN ₉ O ₂		
Molecular Weight:	609.7		
Target:	CDK		
Pathway:	Cell Cycle/DNA Damage		
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 (164.02 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6402 mL	8.2008 mL	16.4015 mL
	5 mM	0.3280 mL	1.6402 mL	3.2803 mL
	10 mM	0.1640 mL	0.8201 mL	1.6402 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (4.10 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (4.10 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (4.10 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description	CDK7-IN-21 (compound A22) is a potent CDK7 inhibitor ^[1] .
IC₅₀ & Target	CDK7

REFERENCES

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

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