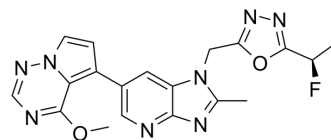


CTX-712

Cat. No.:	HY-144875
CAS No.:	2144751-78-8
Molecular Formula:	C ₁₉ H ₁₇ FN ₈ O ₂
Molecular Weight:	408.39
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (61.22 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		2.4486 mL	12.2432 mL	24.4864 mL
		5 mM		0.4897 mL	2.4486 mL	4.8973 mL
	10 mM		0.2449 mL	1.2243 mL	2.4486 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 (6.12 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.12 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	CTX-712 is a potent inhibitor of cdc2-like kinase (CLK). CTX-712 inhibits CLK kinase activity, and thus inhibits cancer survival and cancer cell growth. CTX-712 has the potential for the research of cancer disease (extracted from patent JPWO2017188374A1, compound 286) ^[1] .
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REFERENCES

[1]. Fused heterocyclic compounds. Patent JPWO2017188374A1.

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

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