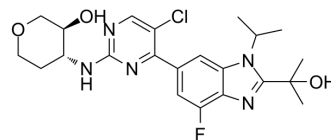


PF-07220060

Cat. No.:	HY-139450
CAS No.:	2380321-51-5
Molecular Formula:	C ₂₂ H ₂₇ ClFN ₅ O ₃
Molecular Weight:	463.93
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (538.87 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	2.1555 mL	10.7775 mL	21.5550 mL
			5 mM	0.4311 mL	2.1555 mL	4.3110 mL
10 mM	0.2155 mL	1.0777 mL	2.1555 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.48 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	PF-07220060 (CDK4/6-IN-6; example A94) is a potent CDK4/CDK6 inhibitor with a K _i of 0.6 nM and 13.9 nM for CDK4/Cyclin D1 and CDK6/Cyclin D3, respectively ^[1] .	
IC ₅₀ & Target	Cdk4/cyclin D1 0.6 nM (K _i)	cdk6/cyclin D3 13.9 nM (K _i)
In Vitro	PF-07220060 (CDK4/6-IN-6; example A94) has IC ₅₀ s of 38.5 nM and 144.9 nM for CDK4/Cyclin D1 and CDK6/Cyclin D3 using phospho-Rb S795 ELISA assays in JEKO-1 and MV4-1 1 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

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