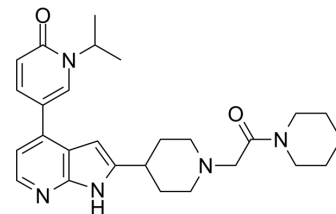


CDK9-IN-13

Cat. No.:	HY-139980		
CAS No.:	2768712-71-4		
Molecular Formula:	C ₂₇ H ₃₅ N ₅ O ₂		
Molecular Weight:	461.6		
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 : 2.5 mg/mL (5.42 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1664 mL	10.8319 mL	21.6638 mL
5 mM	0.4333 mL	2.1664 mL	4.3328 mL
10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

CDK9-IN-13 (compound 38) is potent and selective CDK9 inhibitor, with an IC₅₀ of <3 nM. CDK9-IN-13 exhibits short half-lives in rodents^[1].

IC₅₀ & Target

CDK9 <3 nM (IC ₅₀)	CDK1 0.14 μM (IC ₅₀)	CDK2 0.72 μM (IC ₅₀)	CDK7 0.40 μM (IC ₅₀)
CDK12 0.055 μM (IC ₅₀)			

REFERENCES

[1]. Barlaam B, et, al. Discovery of a Series of 7-Azaindoles as Potent and Highly Selective CDK9 Inhibitors for Transient Target Engagement. J Med Chem. 2021 Oct 28;64(20):15189-15213.

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