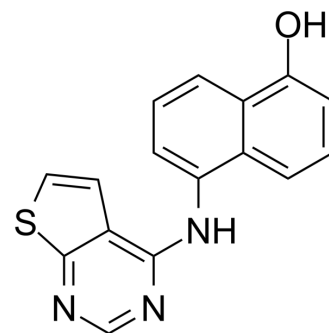


## CDK9-IN-15

Cat. No.:	HY-147026
CAS No.:	852678-17-2
Molecular Formula:	C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> OS
Molecular Weight:	293.34
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 : 125 mg/mL (426.13 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.4090 mL	17.0451 mL	34.0901 mL
				5 mM	0.6818 mL	3.4090 mL	6.8180 mL
				10 mM	0.3409 mL	1.7045 mL	3.4090 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.09 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	CDK9-IN-15 (compound 50) is a potent CDK9 inhibitor <sup>[1]</sup> .
IC <sub>50</sub> & Target	CDK9 <sup>[1]</sup>

### REFERENCES

[1]. Van Duyne R, et al. Effect of mimetic CDK9 inhibitors on HIV-1-activated transcription. J Mol Biol. 2013;425(4):812-829.

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

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