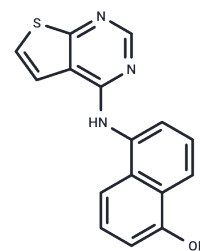


CDK9-IN-15

Chemical Properties

CAS No. :	852678-17-2
Formula:	C ₁₆ H ₁₁ N ₃ OS
Molecular Weight:	293.34
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	CDK9-IN-15 is a potent small molecule CDK9 inhibitor, which can block the phosphorylation of positive transcription elongation factor b (P-TEFb) on the C-terminal region of RNA Poly-II by degradation and inhibition of CDK9, inhibit transcription, and rapidly reduce the level of intracellular mRNA, thereby causing apoptosis of tumor cells.
Targets(IC50)	CDK

Solubility Information

Solubility	DMSO: 112.5 mg/mL (383.5 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.409 mL	17.0451 mL	34.0901 mL
5 mM	0.6818 mL	3.409 mL	6.818 mL
10 mM	0.3409 mL	1.7045 mL	3.409 mL
50 mM	0.0682 mL	0.3409 mL	0.6818 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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