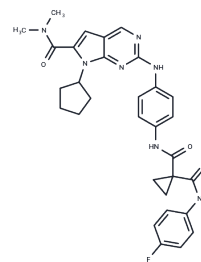


CDK9-IN-8

Chemical Properties

CAS No. :	2105956-51-0
Formula:	C ₃₁ H ₃₂ N ₇ O ₃
Molecular Weight:	569.63
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	CDK9-IN-8 is a highly potent and selective CDK9 inhibitor (IC ₅₀ : 12 nM).
Targets(IC ₅₀)	CDK

Solubility Information

Solubility	DMSO: 5.2 mg/mL (9.13 mM), Sonication and heating to 80°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7555 mL	8.7776 mL	17.5553 mL
5 mM	0.3511 mL	1.7555 mL	3.5111 mL
10 mM	0.1756 mL	0.8778 mL	1.7555 mL
50 mM	0.0351 mL	0.1756 mL	0.3511 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Li Y, et al. Discovery of a highly potent, selective and novel CDK9 inhibitor as an anticancer drug candidate. Bioorg Med Chem Lett. 2017 Aug 1;27(15):3231-3237.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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