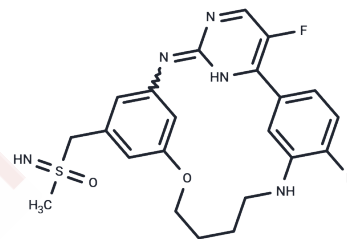


## CDK9-IN-9

## Chemical Properties

CAS No. :	2246956-84-1
Formula:	C22H23F2N5O2S
Molecular Weight:	459.51
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-9 is a potent and selective CDK9 inhibitor (IC50: 1.8 nM) with anti-cancer activity. It inhibits CDK2 (IC50: 155 nM).
Targets(IC50)	CDK
In vitro	CDK9-IN-9 (example 2) inhibits the proliferation of HeLa, HeLa-MaTu-ADR, DU145, NCI-H460, Caco-2, B16F10, A2780, and MOLM-13 cells with IC50 values of 4.4 nM, 5.3 nM, 4.5 nM, 9.2 nM, 8.4 nM, 1.2 nM, 1.2 nM, and 2.0 nM, respectively.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1762 mL	10.8812 mL	21.7623 mL
5 mM	0.4352 mL	2.1762 mL	4.3525 mL
10 mM	0.2176 mL	1.0881 mL	2.1762 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 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

Ulrich LÜCKING, et al. Novel ptefb inhibiting macrocyclic compounds. WO2018177889A1.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481