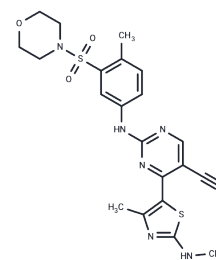


CDKI-83

## Chemical Properties

CAS No. : 1189558-88-0  
 Formula: C<sub>21</sub>H<sub>23</sub>N<sub>7</sub>O<sub>3</sub>S<sub>2</sub>  
 Molecular Weight: 485.58  
 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	CDKI-83 is a potent CDK9 inhibitor. The compound shows effective anti-proliferative activity in human tumour cell lines with GI <sub>50</sub> <1 μM, and is capable of inducing apoptosis in A2780 human ovarian cancer cells as determined by the activated caspase-3, Annexin V/PI double staining and accumulated cells at the sub-G1 phase of cellcycle. The research results suggest that combined inhibition of CDK9 and CDK1 may result in the effective induction of apoptosis and CDKI-83 has the potential to be developed as an anti-cancer agent.
Targets(IC50)	Apoptosis,Bcl-2 Family,Others,CDK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0594 mL	10.297 mL	20.5939 mL
5 mM	0.4119 mL	2.0594 mL	4.1188 mL
10 mM	0.2059 mL	1.0297 mL	2.0594 mL
50 mM	0.0412 mL	0.2059 mL	0.4119 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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