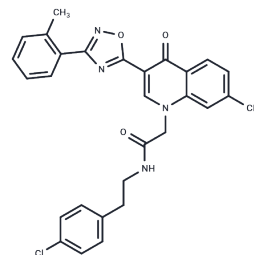


USP10-IN-3

## Chemical Properties

CAS No. : 3059565-11-3  
 Formula: C<sub>29</sub>H<sub>25</sub>ClN<sub>4</sub>O<sub>3</sub>  
 Molecular Weight: 512.99  
 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	USP10-IN-3 (compound D1) is a potent inhibitor of USP10, with an IC <sub>50</sub> of 7.2 μM. It can suppress cell proliferation, induce apoptosis, and cause cell cycle arrest in the S phase.
Targets(IC <sub>50</sub> )	Apoptosis
In vitro	USP10-IN-3 (compound D1) inhibits cell proliferation with an IC <sub>50</sub> value of 2.3 μM in Huh-7 cells at concentrations ranging from 0-100 μM. Additionally, when used at 0-10 μM for 24 hours, it induces apoptosis and causes cell cycle arrest in the S phase in a dose-dependent manner. At concentrations of 0-30 μM over 24 hours, USP10-IN-3 also decreases the expression of YAP1, p53, and p21 in a dose-dependent fashion.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9494 mL	9.7468 mL	19.4936 mL
5 mM	0.3899 mL	1.9494 mL	3.8987 mL
10 mM	0.1949 mL	0.9747 mL	1.9494 mL
50 mM	0.039 mL	0.1949 mL	0.3899 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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