

OTS193320

## Chemical Properties

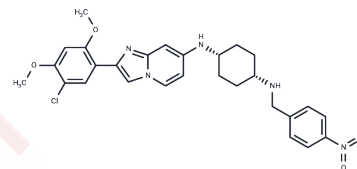
CAS No. : 2093401-33-1

Formula: C<sub>28</sub>H<sub>30</sub>ClN<sub>5</sub>O<sub>4</sub>

Molecular Weight: 536.02

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	OTS193320, an imidazopyridine compound, acts as an inhibitor of SUV39H2 methyltransferase activity. It effectively reduces global histone H3 lysine 9 tri-methylation levels in breast cancer cells, promoting apoptotic cell death. When combined with Doxorubicin (DOX), OTS193320 enhances the reduction of $\gamma$ -H2AX levels and decreases cancer cell viability more significantly than when either agent is used alone.
Targets(IC50)	Apoptosis,Others,Histone Methyltransferase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8656 mL	9.328 mL	18.656 mL
5 mM	0.3731 mL	1.8656 mL	3.7312 mL
10 mM	0.1866 mL	0.9328 mL	1.8656 mL
50 mM	0.0373 mL	0.1866 mL	0.3731 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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