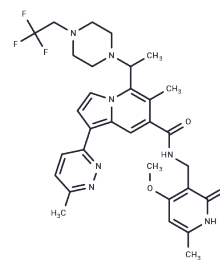


HH-2853

## Chemical Properties

CAS No. : 2202678-04-2  
 Formula: C<sub>31</sub>H<sub>36</sub>F<sub>3</sub>N<sub>7</sub>O<sub>3</sub>  
 Molecular Weight: 611.66  
 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

HH-2853 is a potent inhibitor targeting EZH1/2, demonstrating significant antitumor activity. Its IC<sub>50</sub> values for both wild-type and mutant EZH2 range from 2.21-5.36 nM, comparable to tazemetostat. HH-2853 is more effective against EZH1, with an IC<sub>50</sub> of 9.26 nM, notably lower than tazemetostat's 58.43 nM. However, at concentrations up to 10 μM, it exhibits minimal inhibitory activity on 36 types of histone-modifying enzymes. On the cellular level, HH-2853 effectively inhibits mono-, di-, and tri-methylation of H3K27 in various cancer cell lines with wild-type or mutant EZH2, without affecting other methylation types on histone H3 at concentrations up to 10 μM. Additionally, HH-2853 significantly reduces cell viability in multiple cancer cell lines carrying EZH2 GOF mutations or SWI/SNF complex alterations, and demonstrates superior antitumor effects compared to tazemetostat in several tumor xenograft models at equivalent doses.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6349 mL	8.1745 mL	16.349 mL
5 mM	0.327 mL	1.6349 mL	3.2698 mL
10 mM	0.1635 mL	0.8174 mL	1.6349 mL
50 mM	0.0327 mL	0.1635 mL	0.327 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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