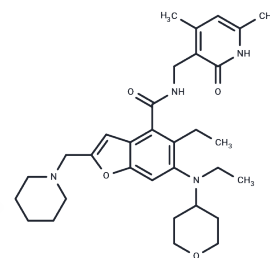


EZH2-IN-15

Chemical Properties

CAS No. : 2098545-98-1
 Formula: C32H44N4O4
 Molecular Weight: 548.72
 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 | EZH2-IN-15 (SHR2554) is a specific inhibitor of the zeste 2 histone modification enhancer (EZH2). EZH2 is aberrantly overexpressed in many human cancers and controls adaptive responses by regulating Treg activity. EZH2 expression in tumors has also been shown to control innate immunity. |
| Targets(IC50) | Histone Methyltransferase |
| In vitro | As measured by CellTiter-Glo Luminescent Cell Viability Assay Method, EZH2-IN-15 IC50 = 0.87 nM for EZH2 wild type and IC50 = 1.63 nM for H3K27me3 in Pfeiffer cells.[3] |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (91.12 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8224 mL | 9.1121 mL | 18.2242 mL |
| 5 mM | 0.3645 mL | 1.8224 mL | 3.6448 mL |
| 10 mM | 0.1822 mL | 0.9112 mL | 1.8224 mL |
| 50 mM | 0.0364 mL | 0.1822 mL | 0.3645 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

Zhang, Lan, et al. Use of ezh2 inhibitor combined with cdk4/6 inhibitor in preparation of drug for treating tumor. WO2021063332 A1

Dale B, et al. Targeting Triple-Negative Breast Cancer by a Novel Proteolysis Targeting Chimera Degradable of Enhancer of Zeste Homolog 2. ACS Pharmacol Transl Sci. 2022 Jun 24;5(7):491-507.

Wang X, et al. The Synergistic Anti-Tumor Activity of EZH2 Inhibitor SHR2554 and HDAC Inhibitor Chidamide through ORC1 Reduction of DNA Replication Process in Diffuse Large B Cell Lymphoma. Cancers (Basel). 2021 Aug 24;13(17):4249.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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